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60. TeaP 2018

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# Programme

of the 60<sup>th</sup> Conference of Experimental Psychologists

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Edited by Alexander C. Schütz, Anna Schubö, Dominik Endres, Harald Lachnit

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March, 11<sup>th</sup> to 14<sup>th</sup>

Marburg, Germany

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## Contents

Preface	4
General information	5
Information for presenters	7
Special events	8
Exhibitors and sponsors	10
Food and drinks	11
Maps	12
Programme overview	14
Keynote lectures, 13:30 – 14:45, Audimax	18
Talks, Monday, 08:30 - 10:00	20
Talks, Monday, 10:30 - 12:00	26
Posters, Monday, 15:00 - 17:00	31
Talks, Monday, 17:00 - 18:30	38
Talks, Tuesday, 08:30 - 10:00	44
Talks, Tuesday, 10:30 - 12:00	51
Posters, Tuesday, 15:00 - 17:00	57
Talks, Tuesday, 17:00 - 18:30	64
Talks, Wednesday, 08:30 - 10:00	70
Posters, Wednesday, 10:00 - 12:00	77
Talks, Wednesday, 15:00 - 16:30	85
Author index	90

# Preface

We are pleased to welcome all of you to the 60th Conference of Experimental Psychologists (also known as Tagung experimentell arbeitender Psychologen, TeaP). It's an honour to host this meeting at the University of Marburg for the 7th time already. Six decades ago, the founder of the TeaP, Heinrich Düker, met with about 30 like-minded scientist to boost the rebirth of Experimental Psychology in order to make it visible again in the German-speaking world after its decline having been enforced by National Socialists.

This first "get-together" in 1959 developed into a full-fledged scientific conference. As a challenge cup it was handed over to another location year after year without interruption, returning to its birthplace every decade. In the course of all these years the TeaP flourished magnificently. Thirty years after its foundation, the number of contributions already had increased to 300. Today, another 30 years later, we count about 600 talks and posters.

In these nearly 60 years, Experimental Psychology succeeded to get out of its niche existence in teaching and research in the German-speaking world of the fifties. It developed again and returned to the international arena as a visible and recognized player. Nowadays, however, the German language no longer is the mother tongue of psychology. This is also reflected in the development of the TeaP: since 2012 the official conference language is English. Last but not least, 40 years ago the European Conference on Visual Perception (ECVP), also founded in Marburg as an offshoot of the TeaP, has since grown into an institution of its own.

This year's programme, with about 600 contributions (3 keynote lectures, 387 talks, and 204 posters) illustrates a wide variety of topics covering nearly all areas of Experimental Psychology, although the main focus is still on General Psychology.

The organization of a meeting of this magnitude requires support of many sides. We sincerely thank all of our supporters: without their commitment the 60th TeaP could not have taken place in its present form.

Marburg, March 2018

Alexander C. Schütz, Anna Schubö, Dominik Endres, Harald Lachnit

# General information

## Hosts and organizers

Alexander C. Schütz, Anna Schubö, Dominik Endres, Harald Lachnit  
Allgemeine und Biologische Psychologie  
Philipps-Universität Marburg  
Gutenbergstr. 18  
35032 Marburg

## Support

Katja Lenz, Ilja Wagner, Hannah Walter, Peter Weiland

## Reviewers

Nils Bergmann, Marie Carmine, Annabell Coors, Dominik Dötsch, Anna-Lena Eckert, Alejandro Gloriani, Lukas Herbst, Anna Heuer, Lucien Holzner, Carolin Hübner, Byung-Woo Hwang, Hanna Kadel, Vanessa Neubauer, Hieu Nguyen, Carolin Schieferstein, Moritz Schubert, Emma Stewart, David Straub, Ilja Wagner, Hannah Walter, Laura Weber, Lena Weinert, Christian Wolf

We would like to thank our student assistants, graduate and undergraduate students who will be available throughout the conference to answer questions, solve unexpected problems and generally make sure that things run smoothly.

## Conference venue

The keynotes and the oral and poster sessions take place in the Hörsaalgebäude (Biegenstraße 14, 35037 Marburg). Please refer to pages 11ff and the back page for detailed maps.

## Conference office

The conference office can be found in room 00/0080, straight and then on the left from the main entrance. It is open from Monday to Wednesday, from 8:00 to 18:00. You can also register for the conference during the pre-conference welcome evening (page 8).

## Conference name badge

Participants are kindly asked to wear the conference badge at all times during the conference. Participants who booked the conference dinner will find a voucher in their conference bag. Please make sure to take your voucher to the Conference Dinner where it will be collected by the staff.

## Certificate of attendance

The certificate of attendance will be provided on-site when registering for the conference.

## WiFi internet access

The University of Marburg provides free wireless internet access for TeaP 2018 participants. You can use **eduroam** (recommended) or **UMRnet\_guest** (for participants without eduroam access).

If your home institution participates in the **eduroam** project (<http://www.eduroam.org>): (1) connect to the wireless network with SSID eduroam, (2) on request enter your username@institution (e.g., username@your-university.xy) and password from your home institution, (3) and accept the eduroam certificate.

If you do not have access to eduroam, you can connect via **UMRnet\_guest**: (1) ask for a personal username and password in the conference office, (2) connect to the wireless network with SSID UMRnet\_guest, (3) on request enter the personal username and password. Please use this network only if you cannot use eduroam because there is a limited number of connections for UMRnet\_guest.

## General information

### Coffee breaks

Coffee, tea, soft drinks and snacks will be served at different places in the Hörsaalgebäude during the official coffee break times (10:00 and 15:00 on Monday & Tuesday, 10:00 on Wednesday).

### Cafeteria (Mensa)

The university cafeteria is in walking distance (about 6 min) south of the Hörsaalgebäude on the other side of the Lahn (page 12). Food tickets for the cafeteria are included in the conference material. In addition several restaurants are in walking distance of the Hörsaalgebäude (page 11).

### Prices and tips

Menu prices usually include service and taxes. In restaurants, a tip of approximately 5-10% is appreciated.

### Important phone numbers

Emergency number 112

Police 110

### Pharmacy

The nearest pharmacy is located on Biegenstraße 44 (+49 6421 65651, open: Mon-Fri 8:00 –18:30, Sat 10:00 – 13:00). For telephone information about the 24-hour pharmacy standby service call 0800 0022833 from a landline or 22833 from a cell phone.

### Smoking

Due to the non-smoking policy in public buildings, smoking is prohibited in all congress venues. There are some smoking areas in the front of the main building.

### Tourist info

The tourist info is located in the Erwin-Piscator-Haus at Biegenstraße 15, just opposite of the Hörsaalgebäude (+49 6421 99120; open: Mon-Fri 9:00 – 18:00, Sat 10:00 – 14:00; <https://www.marburg-tourismus.de/>).

# Information for presenters

## Language of presentations

The official conference language is English, but some presentations will be also given in German. To avoid possible confusion, the actual language of oral presentations and posters must conform to the language of the abstract that was accepted for presentation.

## Symposia and talk sessions

Symposium convenors and session chairs are asked to strictly keep to the schedule of the sessions. Each talk (including discussion) is allocated a time slot of 15 minutes. We recommend that presentations last 12 minutes followed by one or two questions. In some cases, it might be possible to present for 15 minutes and to postpone the discussion until the end of the session. This is possibly an option for those symposia in which a concluding discussion is planned. Symposium convenors and session chairs should feel free to use the number displays on the last pages of this program to inform the speaker about the remaining minutes.

## Oral presentations

Each talk (including discussion) is allocated a time slot of 15 minutes. We recommend that presentations last 12 minutes followed by one or two questions. Computers for PowerPoint or PDF presentations are available in all lecture rooms. If you prepare a PowerPoint presentation, please make sure that it is compatible with **Microsoft PowerPoint 2013 for Windows**. It is recommended to use standard fonts for preparing the presentations to minimize the risk of distorted layout. If you need any particular additional equipment, please let us know in advance by contacting [teap@uni-marburg.de](mailto:teap@uni-marburg.de).

Please make sure to transfer your presentation files to the respective computer in the lecture room at least 10 minutes before the start of your session, using a USB memory stick. Preferably, you should do this in the morning or in the break before the session. Ask the technical assistants in the lecture rooms for help. They will be present 30 minutes before each session and during the session. Note that a presentation with your own laptop computer is not possible.

## Poster presentations

Poster presenters are asked to prepare their posters in **DIN A0 portrait** format (**900 mm x 1200 mm maximum**). There will be three poster sessions, one on each day of the conference. The sessions take place in the 1st and 2nd floor of the Hörsaalgebäude from 15:00 to 17:00 on Monday and Tuesday and from 10:00 to 12:00 on Wednesday. The number of each poster within each session can be found in the program. The number of your poster has a letter at its beginning indicating whether it is scheduled for Monday (M), Tuesday (T) or Wednesday (W). The first number indicates whether it is located on the first (1) or the second floor (2), the second number indicates the individual poster board (1-40). Please put your posters up in the morning, thus making it possible for interested colleagues to view them all day. Pins are available in the main hall. During the actual poster sessions, the first author is expected to be available for requests and discussions. We also recommend preparation of handouts (miniature versions of the poster) for interested colleagues.

## Special events

### Keynote lectures

We are very pleased to welcome three outstanding keynote speakers to this year's TeaP conference. Mary Hayhoe (Austin, USA), Jan Theeuwes (Amsterdam, Netherlands) and Daniel Wolpert (Cambridge, UK).

Keynote lectures will take place in the Audimax (2<sup>nd</sup> floor of the Hörsaalgebäude) on each conference day, starting at 13:30 after the lunch break.

### Pre-conference welcome evening with option to register

The traditional TeaP welcome evening will take place in the Hörsaalgebäude on Sunday from 18:00 – 22:00. A registration desk will allow you to register already one day before the start of the presentations on Monday morning. We will also serve drinks and snacks. Do not miss this opportunity to meet colleagues in this relaxed atmosphere.

### Conference dinner

The Conference dinner (Gesellschaftsabend) will be held on Tuesday, March 13<sup>th</sup>, 19:00, at the Fürstensaal in the castle of Marburg (Schloss 1, 35037 Marburg). The conference dinner includes a buffet, accompanied by live-piano music and a special guest.

The dinner will last until the venue closes at 23:00. Make sure to bring your **dinner voucher** with you. If you booked the dinner, the voucher will be provided in your conference bag, and it will be collected by students at the Fürstensaal.

How to get from the Hörsaalgebäude to the castle:

**By foot** (15 - 20 minutes): Leave the Hörsaalgebäude through the main entrance, turn right, leave the car park and turn right onto "Biegenstraße". Follow the road over a small bridge and cross the street "Pilgrimstein". The first staircase "Enge Gasse" is diagonally to the right. Follow the stairs to the shopping street "Wettergasse" and take the next staircase in front of you. Then go ahead towards the restaurant "Weinlädle". Between this restaurant and the bar "Pegasus" there is the next staircase. After climbing the stairs just follow the road uphill, reach the castle and enjoy the beautiful view over Marburg.

**By bus:** Leave the Hörsaalgebäude through the main entrance, turn right, leave the car park and turn left twice to get to the bus stop "Erwin Piscator Haus". Take bus 1, 2, 3, 4, 7, 15 or 383 until "Garten des Gedenkens", change to bus 10 ("Schloss", it's a smaller one) get off at the last stop. Bus 10 goes up the hill once an hour, so make sure to take the bus 18 minutes past the hour at "Garten des Gedenkens".

### No-Data Session (in German)

Die Fachgruppe Allgemeine Psychologie greift mit der No-Data-Session ein Format wieder auf, das bei der TeaP 2015 in Hildesheim erstmalig eingeführt und dort sehr gut angenommen wurde. In der No-Data-Session stellen insbesondere Doktoranden und Doktorandinnen im frühen Stadium ihres Promotionsvorhabens ihre Vorhaben vor. In der Session haben sie die Gelegenheit, ihre experimentellen und theoretischen Ideen auf Deutsch zu präsentieren und mit einer Gruppe von Expert\_innen und den anwesenden Interessierten zu diskutieren. Es werden i.d.R. noch keine eigenen Daten vorgestellt.

### Poster-Award

The TeaP organizers, in cooperation with the DGPs section "Allgemeine Psychologie", will feature the Third TeaP Poster Award at the TeaP 2018.

TeaP attendees whose posters have been accepted for presentation at the TeaP 2018 and who are junior members of the DGPs section "Allgemeine Psychologie" (i.e., all student members and all associate and full members that do not have a tenure position) are eligible to apply for this award. Application deadline was February 28<sup>th</sup> 2018.



A committee consisting of experienced researchers from various fields will select three posters that are to be honored. Selection criteria are (1) scientific significance and rigor of the contribution, (2) comprehensibility of the poster, and (3) poster layout.

Awarded posters will be announced and honored at the TeaP 2018 on Wednesday at 13:30 before the keynote lecture.

### Meeting of the Fachgruppe Allgemeine Psychologie in the DGPs (in German)

The annual meeting for members of the Fachgruppe Allgemeine Psychologie will take place in room 00/0020 on Monday, beginning 19:00. The meeting will be held in German.

### Meeting of the DGPs young scientists

All graduate students, post-docs, and assistant professors are invited to join the meeting of the young scientists for social get-together with opportunities for an informal scientific exchange. We made a reservation for "Teap 2018."

When? Monday, March 12<sup>th</sup>, 21:00

Where? MARKET Cafe-Bar-Restaurant (Address: Markt 11, 35037 Marburg)

Carina Giesen & Jan Rummel

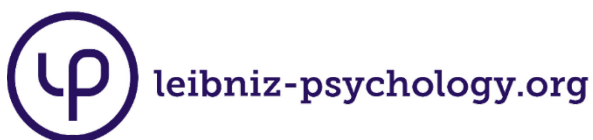
### Introduction to lab.js: A free, open, online experiment builder

In this brief workshop, we will demonstrate lab.js, a free, graphical tool that makes building online (and laboratory-based) experiments easy. Using its visual interface, stimuli and studies can be designed without programming knowledge, though code can be added to customize studies further. During data collection, the browser-based runtime enables fast-paced stimulus presentation and accurate measurement of response times. Studies built with lab.js can be run on most web servers and integrated with questionnaire tools; they can be shared freely, archived, re-used and adapted, allowing open, cumulative science. We have applied lab.js not only in our research, but also in teaching, and provide extensive learning materials as well as a library of common paradigms and demonstrations. We would love to introduce you to lab.js and get you started – if you can, please be invited to bring your laptop.

The workshop will take place on Tuesday, March 13<sup>th</sup>, 17:00 - 18:30 in Room 02/0110

Felix Henninger

## Exhibitors and sponsors

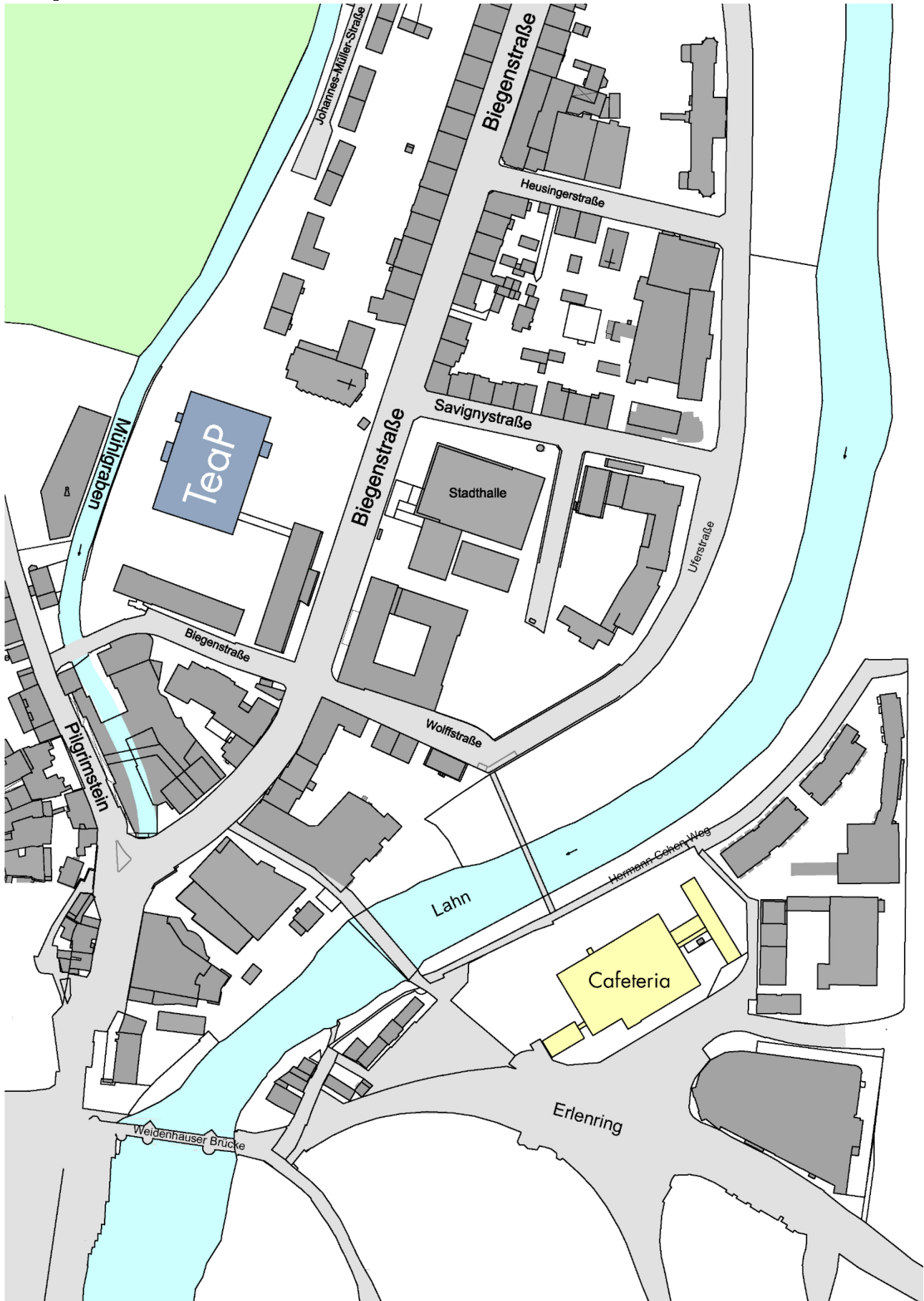


## Food and drinks

Restaurant	Address	Phone	Cuisine	Price range
5 Jahreszeiten	Reitgasse 5	06421 8868988	International	€€
Bottega	Biegenstraße 15	06421 8407144	International	€€
Colosseo Ristorante & Pizza	Deutschhausstraße 35	06421 67899	Italian	€
Da Enzo	Steinweg 2	06421 8893190	Italian	€€
Del Castello	Markt 19	06421 25884	Italian	€
Dromedar	Am Grün 1	06421 1664299	African	€€
Edlunds	Markt 15	06421 1669318	Swedish	€€
Enchilada	Gerhard-Jahn-Platz 21	06421 1657845	Mexican	€€
Felix	Barfüßerstraße 28	06421 307336	American	€
Lahnterrasse	Lingelgasse 5	06421 6978000	International	€€
MarBurger	Gerhard-Jahn-Platz 11	06421 6970569	American	€€
Restaurant Ancho	Biegenstraße 19	06421 9528388	International	€€€
Restaurant Ratsschänke	Markt 3	06421 13834	German	€€
Tandoori	Biegenstraße 23	06421 690366	Indian	€€
Tapas&Co	Pilgrimstein 29	06421 992591	Mediterranean	€

Bar/ Cafe	Address	Phone	Price Range
1900	Barfüßerstraße 27	06421 27167	€
Barfuß	Barfüßerstraße 33	06421 25349	€
Brasserie	Reitgasse 8	06421 21992	€
Cafe am Markt	Markt 9	06421 25522	€€€
Early	Wettergasse 14	06421 992121	€
Hikari Gold Sushi-Bar	Erlenring 2	06421 9998783	€€
Hinkelstein	Markt 18	06421 24210	€
Konditorei Vetter	Reitgasse 4	06421 25888	€€€
Market	Markt 11	06421 164969	€
Maxx	Barfüßerstraße 55	06421 24266	€
Paprica	Reitgasse 12	06421 3400808	€
Ufercafe Gischler	Auf dem Wehr 1A	06421 8048467	€€
Weinlädele	Schloßterpe 1	06421 14244	€€

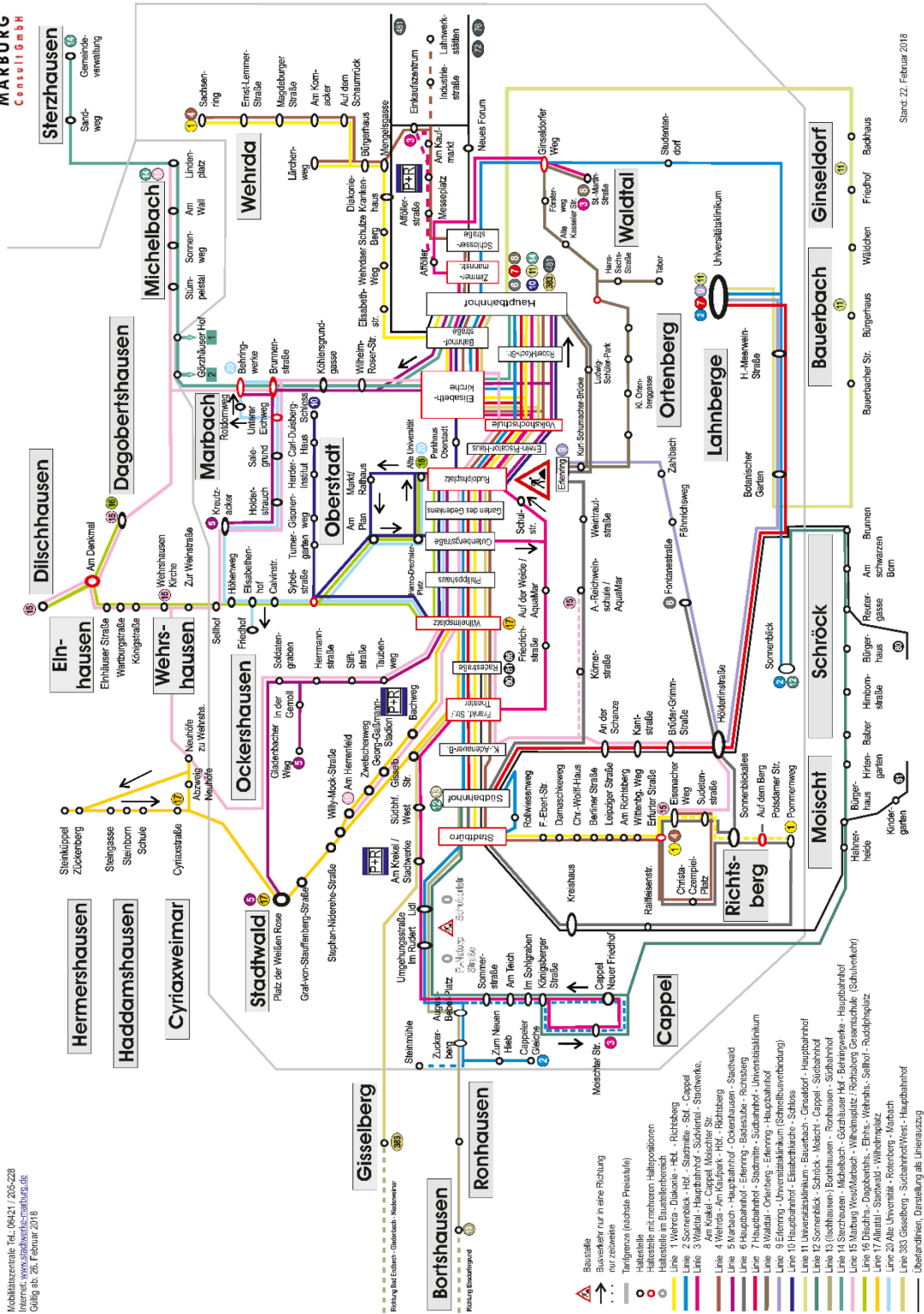
## Maps



# Baustellenverkehr während der Sanierung Weidenhäuser Brücke in der Universitätsstadt Marburg



Mobilfunkservice Tel. 09421 / 205-228  
Internet: [www.stadtwerke-marburg.de](http://www.stadtwerke-marburg.de)  
Gültig ab: 26. Februar 2018



Stand: 22. Februar 2018

## Programme overview

Sunday, 11.03.2018		
18:00	Pre- conference welcome evening	
Monday, 12.03.2018		
08:30	Talk session	Lecture rooms
10:00	Coffee break	Main hall
10:30	Talk session	Lecture rooms
12:00	Lunch break	
13:30	Keynote lecture: Daniel Wolpert: Probabilistic models of sensorimotor control and decision making	Audimax
15:00	Coffee break	Main hall
15:00	Poster session	Main hall
17:00	Talk session	Lecture rooms
19:00	Sitzung "Fachgruppe Allgemeine Psychologie der Deutschen Gesellschaft für Psychologie"	00/0020
Tuesday, 13.03.2018		
08:30	Talk session	Lecture rooms
10:00	Coffee break	Main hall
10:30	Talk session	Lecture rooms
12:00	Lunch break	
13:30	Keynote lecture: Mary Hayhoe: Control of Attention in Natural Environments	Audimax
15:00	Coffee break	Main hall
15:00	Poster session	Main hall
17:00	Talk session	Lecture rooms
19:00	Conference dinner	Fürstensaal/Schloss
Wednesday, 14.03.2018		
08:30	Talk session	Lecture rooms
10:00	Coffee break	Main hall
10:00	Poster session	Main hall
12:00	Lunch break	
13:30	Poster-Award Ceremony Keynote lecture: Jan Theeuwes: Statistical learning drives visual selection	Audimax
15:00	Talk session	Lecture rooms
16:30	Concluding session	00/0020
17:00	End of conference	

\* requires special ticket

00/0020	00/0030	00/0070	01/0010	01/0020	01/0030	01/0110	01/0120	02/0090
Monday, 8:30 - 10:00								
Perception: Auditory and Multisensory	Experimentelle Aesthetik/ Experimental Aesthetics I*	Reaching	Memory I	Investigating cognitive processes using mouse-tracking: Methodology, modeling, and applications I*	Ungeschützte Verkehrsteilnehmer*	No-Data Session*	Valuation	Methods
Frühholz	Jacobsen, Hübner	Schütz	Noack	Kieselich, Scherbaum	Huemer, Oehl, Sutter	Bermeitinger	Scheibehenne	Janczyk
Monday, 10:30 - 12:00								
Multisensory processing (and more or less neglected senses): Symposium powered by Fachgruppe Allgemeine Psychologie*	Experimentelle Aesthetik/ Experimental Aesthetics II*	Cognitive control of complex movements*	Memory II	Investigating cognitive processes using mouse-tracking: Methodology, modeling, and applications II*	Risikantes Verhalten und Unfälle im Verkehr*		Reward and Motivation	Reasoning
Bermeitinger	Jacobsen, Hübner	Giese, Endries	Rummel	Kieselich, Scherbaum	Oehl, Huemer, Sutter		Eder	Danek
Monday, 13:30 - 15:00, Keynote lecture Daniel Wolpert								
Monday, 15:00 - 17:00, Poster session								
Monday, 17:00 - 18:30								
How human information processing is shaped by its multisensory nature*	Consumer psychology	Predictions in sensorimotor control*	Working memory	Cognitive Models in Judgment and Decision Making*	Traffic psychology	Divided attention	Emotions	Lost for words - A symposium on the relationship between language and perception*
Wesslein	Nuszbaum	Voudouris, Fiehler	Röer	Singmann, Pachur	Baumann	Kiesel	Loderer	Goller
Monday, 19:00, 00/0020, Fachgruppentreffen								

\* Symposium

# Programme overview

00/0020	00/0030	00/0070	01/0010	01/0020	01/0030	01/0110	01/0120	02/0090
Tuesday, 8:30 - 10:00								
Perception: Visibility and Awareness	Going where no researcher has gone before - cognitive control without homunculus? I*	Action and Motor Control	Visual working memory: Topics, theories, and approaches I*	Decision making I	Mensch-Maschine-Interaktion im Zuge der Automatisierung und Vernetzung von Fahrzeugen I*	Recent advances in TVA-based visual attention research *	Aggression and Morality	Emotion in words: Shedding light on emotional language production, perception and evaluation. *
Hesselmann	Gade, Rey/Mermet	Straube	Liesefeld, Conci	Wegmann	Sutter, Huemer, Oehl	Scharlau, Finke, Krüger	Bohner	Schindler, Kissler
Tuesday, 10:30 - 12:00								
Perceptual stability*	Going where no researcher has gone before - cognitive control without homunculus? II*	What about the Cinderella of Psychology? Motor perspectives on human cognitive processing*	Visual working memory: Topics, theories, and approaches II*	Decision making II	Mensch-Maschine-Interaktion im Zuge der Automatisierung und Vernetzung von Fahrzeugen II*	Dual task performance: Attention	Social interaction	Experimental approaches to language learning*
Stewart, Schütz	Gade, Rey/Mermet	Franklin, Hegele	Liesefeld, Conci	Pachur	Sutter, Huemer, Oehl	Schäfer	Niedeggen	Lemhoefer, Belke
Tuesday, 13:30 - 15:00, Keynote lecture Mary Hayhoe								
Tuesday, 15:00 - 17:00, Poster session								
Tuesday, 17:00 - 18:30								
Pupillometry*	Affect and action control I*	When social meets spatial cognition: from perspective taking to multiple reference frames (and back). *	Evaluative Conditioning in Context*	Metacognition*	Human factors	Music psychology*	Attitudes	Language
Strauch, Pittino, Greiter	Fischer, van Steenbergen	Baess	Ihmels, Hütter	Undorf, Kuhlmann	Trapp	Kaernbach	Glaser	Sprenger

\* Symposium



00/0020	00/0030	00/0070	01/0010	01/0020	01/0030	01/0110	01/0120	02/0090
Wednesday, 8:30 - 10:00								
Perception: Features and Objects	Instruction, intention, imagery, and observation: How non-action shapes human behavior*	Action and perception I	Learning	Decision making III	Neuroergo- nomics: Using neuroscientific methods to understand the brain at work *	Visual attention I	Self-regulation	Eye movements and Reading
Paulun	Pfeuffer	Schack	Ferdinand	Rebitschek	Chuang, Ihme	Bell	Sevincer	Huber-Huber
Wednesday, 10:00 - 12:00, Poster session								
Wednesday, 13:30 - 15:00, Keynote lecture Jan Theeuwes								
Wednesday, 15:00 - 16:30								
Perception: High-level	Sensory and motor foun- dations of conceptual cognition*	Action and perception II	Development and Ageing	Diffusion Modeling*	Cognition and Emotion in Human-Machine- Interaction*	Visual attention II		
Papermeier	Kiefer	Pastötter	Jovanovic	Lerche, Voss	Brandenburg, Trapp, Minge, Thüring	Wühr		
Wednesday, 16:30 – 17:00, 02/0090, Concluding session								

\* Symposium

## Keynote lectures, 13:30 – 14:45, Audimax

Monday

### **Probabilistic models of sensorimotor control and decision making**

Daniel M. Wolpert

Department of Engineering, University of Cambridge

The effortless ease with which humans move our arms, our eyes, even our lips when we speak masks the true complexity of the control processes involved. This is evident when we try to build machines to perform human control tasks. I will review our work on how humans learn to make skilled movements covering probabilistic models of learning, including Bayesian and structural learning as well as the role of context in activating motor memories. I will also review our work showing the intimate interactions between decision making and sensorimotor control processes. This includes the bidirectional flow of information between elements of decision formations such as accumulated evidence and motor processes such as reflex gains. Taken together these studies show that probabilistic models play a fundamental role in human sensorimotor control.



Tuesday

### **Control of Attention in Natural Environments**

Mary Hayhoe

Center for perceptual systems, University of Texas at Austin

In the context of natural behavior, humans must allocate attention and select information from the visual scene to satisfy behavioral goals. What are the control mechanisms that achieve this? I will review the factors that control gaze in natural behavior, including evidence for the role of the task, which defines the immediate goals, the rewards and costs associated with those goals, uncertainty about the state of the world, and prior knowledge. Visual computations are often highly task-specific, and evaluation of task relevant state is a central factor necessary for optimal choices of where to direct gaze. This governs a very large proportion of gaze changes, which reveal the information sampling strategies of the human visual system. When reliable information is present in memory, the need for sensory updates is reduced, and humans can rely instead on memory estimates. Thus memory-based priors constitute another important determinant of natural gaze control.



**Wednesday Statistical learning drives visual selection****Jan Theeuwes**Experimental and Applied Psychology, Vrije Universiteit Amsterdam  
Institute for Brain and Behavior Amsterdam (iBBA)

Humans are constantly bombarded by streams of sensory information. Selective attention determines what we attend and what ignore. Traditionally, it was thought that what we attend was determined by our top-down goals and the physical characteristics of the environment. Recently however, it was pointed out that this conceptualization may be incomplete as selection is likely to be the result our experiences, i.e., the history of attentional deployments can elicit lingering selection biases, unrelated to top-down goals or the physical salience of items. Invariant properties of the visual environment can bias attention such that we are able to interact more effectively with the visual world. Previous studies have shown that the efficiency of selecting the target can be improved when the target consistently appears at specific locations in the display (e.g., contextual cueing). This is not surprising as the target is relevant for the task and it is known that attention can be directed to locations in space. In this talk, however, I will specifically focus on how statistical regularities regarding items that are not relevant for the task (i.e., distractors) affect selection. We show that through statistical learning, locations that are likely to contain distractors are suppressed relative to all other locations. These statistical regularities drive selection above and beyond top-down and bottom-up control and operate without people being aware of them. We argue that statistical learning induces plasticity in time and place within the spatial priority map such that locations that are likely to contain a target are boosted and locations that are likely to contain a distractor are suppressed. It reflects our ability to extract the distributional properties of sensory input across time and space; one of the most crucial human abilities that plays a role in essentially everything we do.



## Talks, Monday, 08:30 - 10:00

Talk session

### Perception: Auditory and Multisensory

---

00/0020

Sascha Frühholz

08:30 **Voice identity perception ability is linked to contrastive aftereffect size**

Constanze Mühl & Patricia E.G. Bestelmeyer  
Bangor University, School of Psychology

08:45 **Recognizing emotions from normal and from whispered voices**

Sascha Frühholz  
University of Zurich, Department of Psychology

09:00 **Strategies of perceptual learning and cognitive control during ultra-fast speech comprehension – a comparison between blind with/without residual vision, and sighted**

Susanne Dietrich<sup>1</sup>, Ingo Hertrich<sup>2</sup> & Hermann Ackermann<sup>2</sup>  
<sup>1</sup>Universität Tübingen, Fachbereich Psychologie, Evolutionäre Kognition (Kognitionswissenschaft); <sup>2</sup>Universität Tübingen, Neurologie

09:15 **Gamma band oscillations mediate comprehension of metaphoric co-speech gestures**

Yifei He & Benjamin Straube  
Philipps-University Marburg, Department of Psychiatry and Psychotherapy

09:30 **Individual Alpha Frequency Relates to the Sound-Induced Flash Illusion**

Julian Keil<sup>1</sup> & Daniel Senkowski<sup>2</sup>  
<sup>1</sup>Christian-Albrechts-Universität Kiel, Biologische Psychologie; <sup>2</sup>Charité - Universitätsmedizin Berlin, Klinik für Psychiatrie und Psychotherapie

09:45 **Auditory contributions to visual anticipation in tennis**

Rouwen Cañal-Bruland<sup>1</sup>, Florian Müller<sup>1</sup>, Björn Lach<sup>1</sup> & Charles Spence<sup>2</sup>  
<sup>1</sup>Friedrich Schiller University Jena, Department of Sport Psychology; <sup>2</sup>University of Oxford, Department of Experimental Psychology

Symposium

### Experimentelle Aesthetik / Experimental Aesthetics I

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00/0030

Thomas Jacobsen & Ronald Hübner

08:30 **Aesthetic experience during reading of poetry leads to increased local processing difficulty, but also increased global ease-of-processing**

Sebastian Wallot & Winfried Menninghaus  
Max Planck Institute for Empirical Aesthetics

08:45 **Coping with kitsch: Aesthetic appreciation and the dynamics of social motivation**

Stefan Andreas Ortlieb & Claus-Christian Carbon  
Lehrstuhl für Allgemeine Psychologie und Methodenlehre der Universität Bamberg

- 09:00 **Killing the deadly beauty. Character aesthetics in a video game influences the perceived burden in a moral dilemma situation**  
Marius Raab, Feliciana Wolff & Claus-Christian Carbon  
University of Bamberg, Department for General Psychology and Methodology
- 09:15 **Visual stability influences aesthetic appreciation**  
Martin Georg Fillinger & Ronald Hübner  
University of Konstanz, Psychology
- 09:30 **Aesthetic appreciation of cultural artifacts engages additional processes beyond a core domain-general system**  
Edward A Vessel<sup>1</sup>, Ilkay Isik<sup>1</sup>, Amy Belfi<sup>2</sup>, Jonathan Stahl<sup>3</sup> & G. Gabrielle Starr<sup>4</sup>  
<sup>1</sup>Max Planck Institute for Empirical Aesthetics, Department of Neuroscience; <sup>2</sup>New York University, Department of Psychology; <sup>3</sup>Ohio State University, Psychology; <sup>4</sup>Pomona College
- 09:45 **Two routes to aesthetic preference, one route to aesthetic inference**  
Chantal Allegra Miller & Ronald Hübner  
University of Konstanz, Department of Psychology

Talk session

## Reaching

00/0070

Christoph Schütz

- 08:30 **Semantics determine the influence of allocentric information in memory-guided reaching**  
Harun Karimpur & Katja Fiehler  
Justus Liebig University Giessen, Experimental Psychology
- 08:45 **Gaze and prior knowledge modulate allocentric coding in memory-guided reaching movement**  
Zijian Lu, Mathias Klinghammer & Katja Fiehler  
Experimental Psychology, Justus-Liebig University Giessen
- 09:00 **Potential models of allocentric coding for reaching in naturalistic visual scenes**  
Parisa Abedi Khoozani<sup>1</sup>, Mathias Klinghammer<sup>2</sup>, Paul Schrater<sup>3</sup>, Dominik Endres<sup>4</sup>, Katja Fiehler<sup>2</sup> & Gunnar Blohm<sup>5</sup>  
<sup>1</sup>Queen's University, Center for Neuroscience; University of Giessen; <sup>2</sup>University of Giessen; <sup>3</sup>University of Minnesota; <sup>4</sup>University of Marburg; <sup>5</sup>Queen's University
- 09:15 **A sensorimotor prior for succesful reaches**  
Nienke B Debats<sup>1</sup> & Herbert Heuer<sup>2</sup>  
<sup>1</sup>Bielefeld University, Cognitive Neurosciences & CITEC; <sup>2</sup>Leibniz Research Centre for Working Environment and Human Factors
- 09:30 **Learning opposing visuomotor rotations in a single visuomotor map**  
Raphael Schween<sup>1</sup>, Jordan A Taylor<sup>2</sup> & Mathias Hegele<sup>1</sup>  
<sup>1</sup>Justus-Liebig-University, Department of Psychology and Sport Science, Neuromotor Behavior Laboratory; <sup>2</sup>Princeton University, Department of Psychology, Intelligent Performance and Adaptation Laboratory

- 09:45      **Hemispheric lateralisation does not affect motor planning in a sequential reaching task**  
Christoph Schütz & Thomas Schack  
Bielefeld University, Cluster of Excellence Cognitive Interaction Technology (CITEC)

Talk session

## **Memory I**

**01/0010**

Hannes Noack

- 08:30      **Hierarchical modeling of mechanisms underlying the sleep benefit in episodic memory: Disentangling storage and retrieval contributions**  
Sabrina Berres, Edgar Erdfelder & Julian Quevedo Pütter  
University of Mannheim, Department for Cognitive Psychology and Individual Differences
- 08:45      **Sleep strengthens integration of spatial memory systems**  
Hannes Noack<sup>1</sup>, Christian F. Doeller<sup>2</sup> & Jan Born<sup>3</sup>  
<sup>1</sup>University Tübingen, Medical School Department of Psychiatry; <sup>2</sup>Trondheim University Hospital, Kavli Institute for Systems Neuroscience; <sup>3</sup>University Tübingen, Institute for Medical Psychology and Behavioral Neurobiology
- 09:00      **Are You Sure You Want to Delete This? The Costs of Losing the Possibility of Memory Offloading for Subsequent Memory Performance**  
Yannick Runge, Christian Frings & Tobias Tempel  
University of Trier, Department of Cognitive Psychology
- 09:15      **Instruction manipulations during dual-memory retrieval practice: Can they eliminate a retrieval stage processing bottleneck?**  
Franziska Orscheschek<sup>1</sup>, Timothy Rickard<sup>2</sup>, Torsten Schubert<sup>3</sup> & Tilo Strobach<sup>1</sup>  
<sup>1</sup>Medical School Hamburg, Department of Psychology; <sup>2</sup>University of California San Diego, Department of Psychology; <sup>3</sup>Martin-Luther Universität Halle-Wittenberg, Department of Psychology
- 09:30      **Training improves recall precision for colours of novel objects**  
Rebecca Ovalle Fresa & Nicolas Rothen  
University of Bern, Institute of Psychology
- 09:45      **HPA axis and SNS activity are differentially related to the primacy and recency effect of the serial position curve**  
Linda Becker, Kristina Sinner & Nicolas Rohleder  
Friedrich-Alexander-Universität Erlangen-Nürnberg, Institute of Psychology

Symposium

## **Investigating cognitive processes using mouse-tracking: Methodology, modeling, and applications I**

**01/0020**

Pascal J. Kieslich & Stefan Scherbaum

- 08:30      **The psychometrics of the continuous mind: Exploiting the dynamics of mouse movements with time continuous multiple regression**  
Stefan Scherbaum<sup>1</sup> & Maja Dshemuchadse<sup>2</sup>  
<sup>1</sup>Technische Universität Dresden, Department of Psychology; <sup>2</sup>Hochschule Zittau/Görlitz, Department of Social Sciences

- 08:45 **Mousetrap: An R package to process, analyse, cluster, and visualize hand- and mouse-trajectories**  
Jonas MB Haslbeck<sup>1</sup>, Dirk U Wulff<sup>2</sup>, Pascal J Kieslich<sup>3</sup>, Felix Henninger<sup>4</sup> & Michael Schulte-Mecklenbeck<sup>5</sup>  
<sup>1</sup>University of Amsterdam; <sup>2</sup>University of Basel; <sup>3</sup>University of Mannheim; <sup>4</sup>University of Koblenz-Landau; <sup>5</sup>University of Bern
- 09:00 **Investigating the relationship between confidence and manual movement during decision making**  
Denis O'Hora<sup>1</sup>, Arkady Zgonnikov<sup>2</sup>, Aisling Kenny<sup>1</sup> & Kongfatt Wong-Lin<sup>3</sup>  
<sup>1</sup>National University of Ireland, Galway School of Psychology; <sup>2</sup>University of Aizu, Complex Systems Modeling Laboratory; <sup>3</sup>Ulster University School of Computing, Engineering & Intelligent Systems
- 09:15 **Jointly Modeling Mouse-Trajectories and Accuracies with Generalized Processing Trees**  
Daniel W. Heck, Edgar Erdfelder & Pascal J. Kieslich  
University of Mannheim
- 09:30 **A SUBJECT ORIENTED STATE-SPACE APPROACH TO MODEL MOUSE TRACKING-DATA**  
Antonio Calcagni<sup>1</sup>, Luigi Lombardi<sup>1</sup>, Marco D'Alessandro<sup>1</sup> & Simone Sulpizio<sup>2</sup>  
<sup>1</sup>University of Trento, Department of Psychology and Cognitive Science; <sup>2</sup>Vita-Salute S. Raffaele University, Faculty of Psychology
- 09:45 **Dissociating Decision Strategies in Free-Choice Tasks – A Mouse Tracking Analysis**  
Diana Vogel<sup>1</sup>, Stefan Scherbaum<sup>1</sup> & Markus Janczyk<sup>2</sup>  
<sup>1</sup>Technische Universität Dresden, Department of Psychology; <sup>2</sup>Eberhard Karls University Tübingen, Department of Psychology

#### Symposium

#### **Ungeschützte Verkehrsteilnehmer**

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- 01/0030** Anja K. Huemer, Michael Oehl & Christine Sutter
- 08:30 **Warum passieren Unfälle mit ungeschützten Verkehrsteilnehmern?**  
Stefanie Weber<sup>1</sup>, Karen Tschech<sup>1</sup> & Kristin Blum<sup>2</sup>  
<sup>1</sup>Universitätsklinikum Regensburg, AARU Verkehrsunfallforschung; <sup>2</sup>AUDI AG, AARU Verkehrsunfallforschung
- 08:45 **Abgelenkte Fußgänger: eine Beobachtungsstudie**  
Mark Vollrath, Kilian Heuer & Anja Katharina Huemer  
Technische Universität Braunschweig, Institut für Psychologie Ingenieur- und Verkehrspsychologie
- 09:00 **Bewahrt das Linksabbiegen an T-Kreuzungen den Pkw-Fahrer vor Kollisionen mit querenden Radfahrern von rechts? Eine sicherheitskritische Bewertung des Blick- und Annäherungsverhaltens von rechts- und linksabbiegenden Pkw-Fahrern**  
Irene Gohl  
Universität der Bundeswehr München, Institut für Arbeitswissenschaft

Talks, Monday, 08:30 - 10:00

- 09:15      **Das Blickverhalten von Radfahren: Ein Vergleich zwischen Fahrten in realer und simulierter Fahrumgebung**  
Klaus Reinprecht<sup>1</sup> & Anja Katharina Huemer<sup>2</sup>  
<sup>1</sup>Inspectio Forschungsinstitut; <sup>2</sup>Technische Universität Braunschweig, Institut für Psychologie, Ingenieur- und Verkehrspsychologie
- 09:30      **Alternativer Navigationskonzepte für Radfahrer: eine Usability-Studie**  
Anja Katharina Huemer, Ulla Willrodt & Mark Vollrath  
Technische Universität Braunschweig, Institut für Psychologie, Ingenieur- und Verkehrspsychologie

Symposium

## No-Data-Session

01/0110

Christina Bermeitinger

Talk session

## Valuation

01/0120

Benjamin Scheibehenne

- 08:30      **Emotional Influence on Context-Specific Proportion Congruent Effect: Neutral or Emotional Facial Expressions as Context Stimuli**  
Jinhui Zhang, Andrea Kiesel & David Dignath  
Department of Psychology, University of Freiburg
- 08:45      **Automatic Preference Acquisition: Subliminal stimulus presentation in Evaluative Conditioning**  
Tobias Heycke & Christoph Stahl  
University of Cologne, Department of Psychology
- 09:00      **Is EC possible for objectively aware, but subjectively unaware CSs?**  
Karoline Corinna Bading & Christoph Stahl  
University of Cologne, Department of Psychology
- 09:15      **Evaluative conditioning as a tool to study the interplay between perception and emotion**  
Ferdinand Pittino & Anke Huckauf  
Ulm University, Department for General Psychologie
- 09:30      **Confidence, distance, and consistency: Towards a reliability account of advice taking**  
Fabian Ache & Mandy Hütter  
Eberhard Karls Universität Tübingen
- 09:45      **How does the peak-end rule smell? Tracing hedonic experience with odors**  
Benjamin Scheibehenne<sup>1</sup> & Géraldine Coppin<sup>2</sup>  
<sup>1</sup>University of Geneva, Geneva School of Economics and Management; <sup>2</sup>University of Geneva, Swiss Center for Affective Sciences; University of Geneva, Laboratory for the Study of Emotion Elicitation and Expression; Distance Learning University Switzerland (Unidistance)



Talk session

## Methods

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**02/0090**

Markus Janczyk

08:30

**Controlling statistical decision errors with minimal costs: Relative efficiency of sequential probability ratio t-tests vs. Bayesian t-tests**

Martin Schnuerch & Edgar Erdfelder

University of Mannheim, Department of Psychology

08:45

**PsyToolkit: Testing the replicability of web-based results in a laboratory setting**

Jonathan Daniel Kim<sup>1</sup>, Ute Gabriel<sup>1</sup> & Pascal Gygax<sup>2</sup>

<sup>1</sup>Norwegian University of Science and Technology, Department of Psychology;

<sup>2</sup>University of Fribourg, Department of Psychology

09:00

**Measures to integrate speed and accuracy: A critical assessment and evaluation of their validity, utility, and problems**

Markus Janczyk<sup>1</sup> & Heinrich René Liesefeld<sup>2</sup>

<sup>1</sup>Eberhard Karls University of Tübingen, Department of Psychology; <sup>2</sup>Ludwig-Maximilians-Universität München, Department Psychologie and Graduate School of Systemic Neurosciences

09:15

**An adjusted PSI-method for the stop-signal task**

Lorenz Weise

RWTH Aachen, Institute für Medizinische Psychologie und Medizinische Soziologie

09:30

**Eyewitness performance in sequential lineups: A ROC-based analysis of order effects**

Birk Diedenhofen, Sonja Willing & Jochen Musch

University of Düsseldorf

09:45

**Kindermörder! Eine experimentelle Untersuchung zur Verfälschbarkeit von Selbstauskünften in indirekten Befragungen**

Julia Meisters, Adrian Hoffmann & Jochen Musch

University of Duesseldorf, Department of Experimental Psychology

## Talks, Monday, 10:30 - 12:00

Symposium

### **Multisensory processing (and more or less neglected senses): Symposium powered by Fachgruppe Allgemeine Psychologie**

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**00/0020**

Christina Bermeitinger

10:30 **Cognitive control in crossmodal task switching requirements: Evidence from crossmodal attention and modality compatibility in perception-action mappings**

Denise N. Stephan<sup>1</sup>, Edina Fintor<sup>1</sup>, Magali E. Kreutzfeldt<sup>2</sup> & Iring Koch<sup>1</sup>

<sup>1</sup>RWTH Aachen University; <sup>2</sup>IfADo

10:45 **Commonalities and differences of auditory and visual negative priming**

Susanne Mayr<sup>1</sup> & Axel Buchner<sup>2</sup>

<sup>1</sup>University of Passau, Chair of Psychology and Human-Machine Interaction; <sup>2</sup>Heinrich Heine University Düsseldorf, Cognitive and Industrial Psychology

11:00 **Attention blinks irrespective of (lavender or peppermint) odor**

Ryan Hackländer, Pamela Baess, Clara Hellweg & Christina Bermeitinger  
University of Hildesheim, Cognitive Psychology

11:15 **Extra-retinal and intersensory aspects of cybersickness**

Heiko Hecht<sup>1</sup>, Behrang Keshavarz<sup>2</sup> & Suzanne Nooi<sup>3</sup>

<sup>1</sup>Johannes Gutenberg-Universität Mainz; <sup>2</sup>Toronto Rehabilitation Institute; <sup>3</sup>Max-Planck Institut für Kybernetische Biologie Tübingen

11:30 **Serial integration of information in active touch**

Knut Drewing, Alexandra Lezkan & Anna Metzger  
Giessen University, Department of Psychology

Symposium

### **Experimentelle Aesthetik / Experimental Aesthetics II**

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**00/0030**

Thomas Jacobsen & Ronald Hübner

10:30 **Are there opposite pupil responses to different aspects of processing fluency?**

Sophie G. Elschner & Ronald Hübner

Universität Konstanz, Cognitive Psychology

10:45 **Elegance – a concept completely disregarded in empirical aesthetics**

Winfried Menninghaus<sup>1</sup>, Valentin Wagner<sup>1</sup>, Vanessa Kegel<sup>1</sup>, Christine A. Knoop<sup>1</sup> & Wolff Schlotz<sup>2</sup>

<sup>1</sup>Max-Planck-Institute for Empirical Aesthetics, Department of Language and Literature;

<sup>2</sup>Max-Planck-Institute for Empirical Aesthetics, Labs and Methods

Symposium

**Cognitive control of complex movements**

**00/0070**

Martin A. Giese & Domink Endres

10:30

**On the compositionality, timing and coordination of complex movements.**

Tamar Flash

Weizmann Inst. of Science, Dept of CS and Applied Math, Weizmann Inst. of Science

10:45

**From Simple Movements to Complex Skills: A Task-Dynamic Approach to Motor Control**

Dagmar Sternad

Northeastern University Department of Biology, Electrical and Computer Engineering and Physics

11:00

**Grounded Foresight: Anticipatory Remapping of Peripersonal Space During Object Interactions**

Johannes Lohmann, Anna Belardinelli & Martin V. Butz

University of Tübingen, Cognitive Modeling

11:15

**The end-state comfort effect in joint action**

Dominik Dötsch & Anna Schubö

Philipps-Universität Marburg, Department of Psychology

11:30

**Planning and cognitive representation in manual action**

Thomas Schack

CITEC; Neurocognition and Action - research group Bielefeld University

11:45

**From motor learning to exergaming for motor rehabilitation of neurological movement disorders**

Winfried Ilg

Hertie Institute for Clinical Brain Research, University Clinic Tuebingen

Talk session

**Memory II**

**01/0010**

Jan Rummel

10:30

**The aging lexicon: Differences in the semantic networks of younger and older adults**

Dirk U Wulff<sup>1</sup>, Thomas T Hills<sup>2</sup> & Rui Mata<sup>1</sup>

<sup>1</sup>University of Basel; <sup>2</sup>University of Warwick

10:45

**Context-dependent attentional decoupling and its relation to prospective memory**

Jan Rummel

Heidelberg University

11:00

**Integration of multiple intrinsic and extrinsic cues in metamemory judgments**

Arndt Bröder, Monika Undorf & Anke Söllner

University of Mannheim, School of Social Sciences

Talks, Monday, 10:30 - 12:00

- 11:15      **Combining the post-cue task and the perceptual identification task to investigate parallel activation and mutual facilitation in semantic priming**  
Demian Scherer<sup>1</sup> & Dirk Wentura<sup>2</sup>  
<sup>1</sup>University of Münster, Department of Psychology; <sup>2</sup>Saarland University, Department of Psychology
- 11:30      **Nighttime sleep benefits prospective memory by improving its prospective component**  
Mateja F. Böhm<sup>1</sup>, Ute J. Bayen<sup>1</sup> & Reinhard Pietrowsky<sup>2</sup>  
<sup>1</sup>Heinrich-Heine-Universität Düsseldorf, Department of Mathematical and Cognitive Psychology; <sup>2</sup>Heinrich-Heine-Universität Düsseldorf, Department of Clinical Psychology
- 11:45      **How Not to Fall for the White Bear: Flexible Control of Negation Processing**  
Robert Wirth, Wilfried Kunde & Roland Pfister  
University of Würzburg
- 12:00      **Post-warnings can undo stereotype-induced memory distortion**  
Hartmut Blank, Lauren Rutter & Rebecca Armstrong  
University of Portsmouth

Symposium

**Investigating cognitive processes using mouse-tracking:  
Methodology, modeling, and applications II**

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- 01/0020**      Pascal J. Kieslich & Stefan Scherbaum
- 10:30      **Design factors (I): What influences trajectory curvature in mouse-tracking experiments?**  
Pascal J. Kieslich<sup>1</sup>, Martin Schoemann<sup>2</sup>, Tobias Grage<sup>2</sup> & Stefan Scherbaum<sup>2</sup>  
<sup>1</sup>University of Mannheim, Department of Psychology; <sup>2</sup>Technische Universität Dresden, Department of Psychology
- 10:45      **Design Factors (II): How Details of the Mouse Tracking Procedure Influence Action Dynamics in Cognitive and Value-Based Decision Paradigms**  
Tobias Grage<sup>1</sup>, Martin Schoemann<sup>1</sup>, Pascal J. Kieslich<sup>2</sup> & Stefan Scherbaum<sup>1</sup>  
<sup>1</sup>Technische Universität Dresden, Department of Psychology; <sup>2</sup>University of Mannheim, Department of Psychology
- 11:00      **Gaussian Process Modeling of Preferential Choice Dynamics**  
Mary Frame<sup>1</sup>, Joseph Hout<sup>2</sup> & Joseph Johnson<sup>3</sup>  
<sup>1</sup>Wright State University, Wright State Research Institute; <sup>2</sup>Wright State University, Department of Psychology; <sup>3</sup>Miami University, Department of Psychology
- 11:15      **Investigating phonemic representations in Spanish-English bilinguals using mouse-tracking: A laboratory/MTurk comparative study**  
James Benjamin Falandays<sup>1</sup>, Michael J Spivey<sup>1</sup> & Joseph C Toscano<sup>2</sup>  
<sup>1</sup>University of California Merced, Cognitive and Information Sciences; <sup>2</sup>Villanova University, Psychological and Brain Sciences
- 11:30      **Discussion**  
Stefan Scherbaum<sup>1</sup> & Pascal J. Kieslich<sup>2</sup>  
<sup>1</sup>Technische Universität Dresden, Department of Psychology; <sup>2</sup>University of Mannheim, Department of Psychology

Symposium

**Riskantes Verhalten und Unfälle im Verkehr**

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- 01/0030** Michael Oehl, Anja K. Huemer & Christine Sutter
- 10:30 **Querschnittliche Analyse des Jugendlichkeitsrisiko junger Verkehrsteilnehmer**  
 Heinz Albert Stumpen<sup>1</sup>, Benedikt Schweer<sup>1</sup>, Guido Kattert<sup>1</sup>, Birgitt Erdwien<sup>2</sup> & Christine Sutter<sup>1</sup>  
<sup>1</sup>Deutsche Hochschule der Polizei, Fachgebiet II.4 Verkehrswissenschaft & Verkehrspsychologie; <sup>2</sup>Erdwien-Consult
- 10:45 **Längsschnittliche Analyse von Jugendlichen zu Ihren Einstellungen zum Fahren und zur Automobilität**  
 Benedikt Schweer<sup>1</sup>, Birgit Erdwien<sup>2</sup>, Guido Kattert<sup>1</sup>, Heinz Albert Stumpen<sup>1</sup> & Christine Sutter<sup>1</sup>  
<sup>1</sup>Deutsche Hochschule der Polizei, Fachgebiet II.4 Verkehrswissenschaft & Verkehrspsychologie; <sup>2</sup>Erdwien Consulting
- 11:00 **Validierung der Driving Anger Scale (DAS) für deutsche Autofahrer**  
 Michael Oehl<sup>1</sup> & Stefan Brandenburg<sup>2</sup>  
<sup>1</sup>Leuphana Universität Lüneburg; <sup>2</sup>Technische Universität Berlin
- 11:15 **Studie zu Warnwirkung und Akzeptanz von haptischem Feedback am Gaspedal im Kontext von Fahrerassistenzsystemen**  
 Martin Brockmann<sup>1</sup> & Pia Weber<sup>2</sup>  
<sup>1</sup>Allround Team GmbH Automotive HMI Development; <sup>2</sup>Allround Team GmbH, Automotive HMI Development
- 11:30 **Unfallerhebung mittels der Causal Analysis and Reconstruction of Motor Vehicle Accidents (CarMa)**  
 Christopher Pohr  
 University of Göttingen, Cognition and Decision Making

Talk session

**Reward and Motivation**

- 
- 01/0120** Andreas B Eder
- 10:30 **What does money value? The effect of financial value on inattentional blindness**  
 Dennis Redlich<sup>1</sup>, Carina Kreitz<sup>1</sup>, Daniel Memmert<sup>1</sup> & Robert Schnürch<sup>2</sup>  
<sup>1</sup>German Sport University Cologne, Institute of Training and Computer Science in Sport; <sup>2</sup>University of Bonn, Department of Psychology
- 10:45 **Choices induce subsequent inhibition of non-chosen target location and color**  
 Christian Wolf, Anna Heuer, Anna Schubö & Alexander C Schütz  
 Philipps-Universität Marburg, Allgemeine und Biologische Psychologie
- 11:00 **Reward magnitude influences decision accuracy and stimulus generalization in multi-attribute categorization**  
 René Schlegelmilch & Bettina von Helversen  
 University of Zurich

Talks, Monday, 10:30 - 12:00

- 11:15      **How performance-contingent reward prospect modulates cognitive control: Rigid usage and maintenance of predictive and non-predictive contextual information**  
Carmen Hefer & Gesine Dreisbach  
University of Regensburg
- 11:30      **Increasing Reward Prospect Motivates Switching to the More Difficult Task: A Case of Motivation Efficiency?**  
Vanessa Jurczyk<sup>1</sup>, Kerstin Froeber<sup>1</sup> & Gesine Dreisbach<sup>2</sup>  
<sup>1</sup>University of Regensburg, Chair for General and Applied Psychology (Prof. Dr. Dreisbach); <sup>2</sup>University of Regensburg, Chair for General and Applied Psychology
- 11:45      **Effects of reward on action-effect learning**  
Andreas B Eder, Thorsten M Erle & Wilfried Kunde  
University of Würzburg, Department of Psychology

Talk session

## **Reasoning**

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**02/0090**

Amory H. Danek

- 10:30      **Forget the fairy tale of accuracy-effort trade-offs: mental models and availability of internal information determine heuristic application**  
Jörg Müller  
Justus Liebig University, Institute of Agribusiness Management and Food Economics
- 10:45      **Neural Analysis of Deductive and Probabilistic Reasoning**  
Benjamin Sklarek, Lupita Estefania Gazzo Castaneda, Dennis Dal Mas & Markus Knauff  
JLU Gießen, Allgemeine Psychologie und Kognitionswissenschaft
- 11:00      **When does background knowledge inform causal conditional reasoning?**  
Andre Aßfalg & Karl Christoph Klauer  
Albert-Ludwigs-Universität Freiburg
- 11:15      **Can handwriting improve reasoning performance?**  
Lupita Estefania Gazzo Castaneda, Regina E Fabry & Markus Knauff  
University of Giessen, Experimental Psychology and Cognitive Science
- 11:30      **Eye movements reveal task-driven information search in memory during sequential diagnostic reasoning**  
Anja Klichowicz<sup>1</sup>, Sascha Stehlau<sup>2</sup>, Josef F. Krems<sup>1</sup> & Agnes Scholz<sup>3</sup>  
<sup>1</sup>Technische Universität Chemnitz, Department of Psychology; <sup>2</sup>University of Kassel, Department of Psychology; <sup>3</sup>University of Zurich, Department of Psychology
- 11:45      **Sudden, but not incremental insights lead to Aha! experiences**  
Amory H. Danek, Joshua Williams & Jennifer Wiley  
Universität Heidelberg, Allgemeine und Theoretische Psychologie

## Posters, Monday, 15:00 - 17:00

### Memory

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- M-1-1 **The Influence of Perceived Remorse on Source Memory for Faces: A Multinomial Processing Tree Approach**  
Jana Berkessel<sup>1</sup> & Friederike Funk<sup>2</sup>  
<sup>1</sup>University of Mannheim, Department of Psychology; <sup>2</sup>University of Cologne, Department of Psychology
- M-1-2 **Testing enhances subsequent learning of spatial information in younger and older adults**  
Jonathan Bufe & Alp Aslan  
Martin Luther University Halle-Wittenberg, Department of Psychology
- M-1-3 **The effect of perceptual set in airport security**  
Anna Conci  
FernUniversität in Hagen
- M-1-4 **How does preparation in task switching affect subsequent memory performance?**  
Mirela Dubravac  
University of Bern, Experimental Psychology and Neuropsychology
- M-1-5 **Guidance or Setting? Exploring the learnability of computer-based instructions in a construction task**  
Shirin Esmaeili Bijarsari, Maria Wirzberger & Günter Daniel Rey  
TU Chemnitz, Psychology of learning with digital media
- M-1-6 **Binding between memory representations influences serial dependence**  
Cora Fischer<sup>1</sup>, Stefan Czoschke<sup>1</sup>, Benjamin Peters<sup>1</sup>, Benjamin Rahm<sup>2</sup>, Jochen Kaiser<sup>1</sup> & Christoph Bledowski<sup>1</sup>  
<sup>1</sup>Goethe-University, Institute of Medical Psychology; <sup>2</sup>Albert-Ludwigs-University, Medical Psychology
- M-1-7 **Drifting through the Noise – A diffusion model analysis of the interplay between processing and storage in working memory**  
Jan Göttmann, Alexander Kipnis, Gidon T. Frischkorn & Anna-Lena Schubert  
Ruprecht-Karls Universität, Institute of Psychology
- M-1-8 **Separate and combined effects of action relevance and motivational value on visual working memory**  
Anna Heuer & Anna Schubö  
Philipps-Universität Marburg
- M-1-9 **Part-List Cuing Impairment in Children: The Role of Encoding**  
Thomas John & Alp Aslan  
Martin Luther University Halle-Wittenberg, Department of Psychology
- M-1-10 **The influence of mood on memory for happy and sad faces**  
Meike Kroneisen  
University of Koblenz-Landau

- M-1-11 **Post-learning attentional resource consumption weakens memory retention**  
Markus Martini, Robert Marhenke & Pierre Sachse  
University of Innsbruck
- M-1-12 **Investigating emotion-induced retrograde and anterograde memory effects in sequences of related and unrelated words**  
Helge Schlüter & Christina Bermeitinger  
University of Hildesheim, Department of General Psychology
- M-1-13 **The influence of attitudes and knowledge on the continued influence effect**  
Sebastian Scholz, Thorsten Finke & Stephan Dutke  
University of Münster, Department of Psychology
- M-1-14 **Spatial contextualization of emotional and distressing scenes: Exploring predictions of the revised Dual Representation Theory**  
Sebastian Siehl<sup>1</sup>, Anika Sierk<sup>2</sup>, James Bisby<sup>3</sup>, Frauke Nees<sup>4</sup>, Herta Flor<sup>4</sup>, John King<sup>5</sup> & Neil Burgess<sup>3</sup>  
<sup>1</sup>University of Heidelberg, Central Institute of Mental Health, Department of Cognitive and Clinical Neuroscience; University College London, Institute of Cognitive Neuroscience; University of Mannheim, Graduate School of Economic and Social Sciences; <sup>2</sup>University College London, Institute of Cognitive Neuroscience; Charité Universitätsmedizin Berlin; <sup>3</sup>University College London, Institute of Cognitive Neuroscience; University College London, Institute of Neurology; <sup>4</sup>University of Heidelberg, Central Institute of Mental Health, Department of Cognitive and Clinical Neuroscience; <sup>5</sup>University College London, Institute of Cognitive Neuroscience; University College London, Clinical, Education and Health Psychology
- M-1-15 **Reorganization of Spatial Configurations During Encoding and Memorization**  
Johannes David Timm & Frank Papenmeier  
Eberhard Karls Universität, Department of Psychology
- M-1-16 **Perceptual Fluency, Metacognitive Beliefs, or Both – What Drives the Effect of Font Size on Judgments of Learning?**  
Malte F. Zimdahl & Monika Undorf  
University of Mannheim, Department of Psychology

## Perception I

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- M-1-17 **Altered network connectivity in ASD during emotional face processing**  
Robert Arent<sup>1</sup>, Kristin M Zimmermann<sup>1</sup>, Sanna Stroth<sup>2</sup>, Inge Kamp-Becker<sup>2</sup> & Andreas Jansen<sup>1</sup>  
<sup>1</sup>University of Marburg, Department of Psychiatry & Marburg Center for Mind, Brain and Behavior - MCMBB; <sup>2</sup>Philipps-University Marburg, Department of Child and Adolescent Psychiatry
- M-1-18 **Identification of Linear, Exponential, and Step Function Trends in Scatterplots: Detecting Straight Lines Straightforward**  
Christine Blech & Robert Gaschler  
FernUniversität in Hagen, Department of General Psychologie (Learning, Motivation, Emotion)



- M-1-19 **Eye-movement behavior during object search and scene memorization with spatial-frequency filtering in central or peripheral vision**  
Anke Cajar, Ralf Engbert & Jochen Laubrock  
University of Potsdam, Department of Psychology
- M-1-20 **Semantic not orthographic-phonological knowledge is implemented in context-based predictions during visual word recognition**  
Susanne Eisenhauer<sup>1</sup>, Christian J. Fiebach<sup>2</sup> & Benjamin Gagl<sup>3</sup>  
<sup>1</sup>Goethe University Frankfurt, Department of Psychology; <sup>2</sup>Goethe University, Department of Psychology; Center for Individual Development and Adaptive Education of Children at Risk (IDeA); Interdisciplinary Center for Neurosciences; <sup>3</sup>Goethe University Frankfurt, Department of Psychology; Center for Individual Development and Adaptive Education of Children at Risk (IDeA)
- M-1-21 **A two-factor model of the visual complexity of abstract patterns**  
Andreas Gartus & Helmut Leder  
University of Vienna, Department of Basic Psychological Research and Research Methods
- M-1-22 **Perceptual reliability in the scotopic foveal scotoma**  
Alejandro Hernán Gloriani & Alexander C Schütz  
Philipps-University Marburg, Psychology Department-Sensomotoric learning
- M-1-23 **The effect of walking on human visual perception**  
Barbara Händel & Liyu Cao  
University of Würzburg, Department of Psychology
- M-1-24 **Emotion-Induced Memory Modulation: Bimodal Integration and the Effects of Inhibitory Control**  
Lisa Christina Hasenbein & Arianne Herrera-Bennett  
Ludwig-Maximilians-Universität, Psychology
- M-1-25 **Adaptation of depth ordering preferences during motion transparency**  
Byung-Woo Hwang & Alexander C. Schütz  
Philipps-Universität Marburg, Allgemeine und Biologische Psychologie
- M-1-26 **Mental Rotation and Handedness: Differences in object-based and egocentric Transformations**  
Stefanie Pietsch & Petra Jansen  
Universität Regensburg, Institut für Sportwissenschaft
- M-1-27 **Tinted lenses affect our physiological responses to affective pictures: An EEG/ERP study**  
Tim Schilling<sup>1</sup>, Siegfried Wahl<sup>2</sup> & Lewis Chuang<sup>3</sup>  
<sup>1</sup>University of Tübingen, Institute for Ophthalmic Research; Department of Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics; <sup>2</sup>University of Tübingen, Institute for Ophthalmic Research; Carl Zeiss Vision International GmbH; <sup>3</sup>Department of Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics

- M-1-28      **The influence of lexicon size and font characteristics on information optimization in reading: an orthographic prediction model investigation**  
Simon Schug<sup>1</sup>, Christian J. Fiebach<sup>2</sup> & Benjamin Gagl<sup>3</sup>  
<sup>1</sup>Department of Psychology, Goethe University Frankfurt; <sup>2</sup>Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA); Interdisciplinary Center for Neuroscience Frankfurt; <sup>3</sup>Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA)
- M-1-29      **Effects of eye height on the perception of interior space**  
Christoph von Castell, Heiko Hecht & Daniel Oberfeld  
Johannes Gutenberg-Universität Mainz, Institute of Psychology
- M-1-30      **Timescales of different types of saccadic adaptation**  
Ilja Wagner & Alexander C. Schütz  
Philipps-Universität Marburg, AG Allgemeine und Biologische Psychologie (AE Sensomotorisches Lernen)
- M-1-31      **Which information is diagnostic for efficient real-world scene categorization?**  
Verena Willenbockel<sup>1</sup>, Sandro Wiesmann<sup>1</sup>, Frédéric Gosselin<sup>2</sup> & Melissa L.-H. Võ<sup>1</sup>  
<sup>1</sup>Goethe University Frankfurt, Department of Psychology; <sup>2</sup>Département de Psychologie, Université de Montréal

## Human factors

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- M-2-1      **The impact of shared mental models on team performance in a fault diagnosis task**  
Rica Bönsel<sup>1</sup>, Luise Schegner<sup>2</sup>, Sebastian Heinze<sup>2</sup>, Leon Urbas<sup>2</sup> & Romy Müller<sup>1</sup>  
<sup>1</sup>TU Dresden, Professur Ingenieurpsychologie und angewandte Kognitionsforschung; <sup>2</sup>TU Dresden, Professur Prozessleittechnik
- M-2-2      **Do SNS and HPA axis activity differ between elite athletes and non-athletes? – A pilot study**  
Moritz Dümig, Yvonne Daichendt & Linda Becker  
Friedrich-Alexander-Universität Erlangen-Nürnberg, Institute of Psychology
- M-2-3      **Predicting Visual Attention is not an easy Task - even for Experts!**  
Sebastian Feuerstack<sup>1</sup> & Bertram Wortelen<sup>2</sup>  
<sup>1</sup>OFFIS; <sup>2</sup>Carl von Ossietzky Universität Oldenburg, Kognitive Psychologie
- M-2-4      **Mental rotation in basketball: Presenting playing patterns in different orientations of the tactic board affects players' observation time and execution performance under temporal constraints**  
Daniel Krause, Matthias Rahlenbeck & Matthias Weigelt  
University of Paderborn, Psychology and Movement Science
- M-2-5      **Looming sounds benefit emergency braking due to their saliency**  
Marie Lahmer<sup>1</sup>, Lewis Chuang<sup>2</sup> & Verena Carola Seibold<sup>3</sup>  
<sup>1</sup>Max-Planck-Institut Biologische Kybernetik; <sup>2</sup>Max Planck Institute for Biological Cybernetics; <sup>3</sup>Eberhard Karls University Tübingen, Department of Psychology

- M-2-6 **Improving navigation systems. How design features of guidance systems influence survey and route knowledge**  
Lucas Lörch & Stefan Münzer  
Universität Mannheim, Lehrstuhl Bildungspsychologie
- M-2-7 **Age simulation and office work**  
Florian Röser, Swaantje Elsen, Ina Hendricks & Daniela Lohaus  
University of Applied Sciences Darmstadt, Economic Psychology
- M-2-8 **Enterprise Gamification – Investigating the Influence of Game Mechanism on Intrinsic Motivation**  
Markus Thiemann<sup>1</sup>, Sandra Sülzenbrück<sup>1</sup> & Christine Sutter<sup>2</sup>  
<sup>1</sup>FOM Hochschule für Oekonomie & Management, iwv Institut für Wirtschaftspsychologie; <sup>2</sup>Deutsche Hochschule der Polizei, Fachgebiet Verkehrswissenschaft & Verkehrspsychologie
- M-2-9 **Smoothies – Consumer and Preference**  
Milena von Heydebreck & Florian Röser  
University of Applied Sciences Darmstadt, Economic Psychology
- M-2-10 **Transfer is possible – Drivers' benefit from a multi stage collision warning**  
Susann Winkler, Juela Kazazi & Mark Vollrath  
Technische Universität Braunschweig, Institut für Psychologie, Abt. Ingenieur- und Verkehrspsychologie

## Motor control

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- M-2-11 **Perceived Ownership Influences Perspective Taking Towards Avatars**  
Christian Böffel & Jochen Müsseler  
RWTH Aachen University, Institute of Psychology
- M-2-12 **Movement Primitives and Flexible Control in Virtual Reality**  
Annabell Coors, Benjamin Knopp & Dominik Endres  
Philipps-Universität, AE theoretical neuroscience
- M-2-13 **Movement Primitives in Unconstrained Dance**  
Anna-Lena Eckert, Benjamin Knopp & Dominik Endres  
Philipps-University, Department of Psychology
- M-2-14 **Delta plots with negative-going slopes as a potential marker of decreasing response activation in masked semantic priming**  
Ruben Ellinghaus  
University of Tübingen, Department of Psychology
- M-2-15 **Priming of Grasp Affordance in an Ambiguous Object**  
Patricia Garrido-Vásquez<sup>1</sup>, Eileen Wengemuth<sup>2</sup> & Anna Schubö<sup>2</sup>  
<sup>1</sup>Department of Experimental Psychology and Cognitive Science, Justus Liebig University Giessen; <sup>2</sup>Cognitive Neuroscience of Perception and Action, Experimental and Biological Psychology, Philipps University Marburg
- M-2-16 **Movement (Re-)planning Interferes with Working Memory during the Maintenance Process: An ERP Study**  
Rumeysa Gunduz Can, Dirk Koester & Thomas Schack  
Bielefeld University, CITEC

- M-2-17      **Habit outweighs Planning in Grasp Selection for Object Manipulation**  
Oliver Herbolt  
Julius-Maximilians-Universität Würzburg, Department of Psychology
- M-2-18      **Neural responses to outcome error prediction: the impact of self-induced and externally-manipulated motor errors**  
Michael Joch, Mathias Hegele, Heiko Maurer, Hermann Müller & Lisa K. Maurer  
Justus-Liebig-University, Department of Sport Science
- M-2-19      **Weighting of vision and proprioception in post-stroke reach planning**  
Johannes Keyser<sup>1</sup>, Noël L. W. Keijsers<sup>2</sup>, Luc Selen<sup>1</sup> & Pieter W. Medendorp<sup>1</sup>  
<sup>1</sup>Donders Institute for Brain, Cognition and Behaviour, Radboud University; <sup>2</sup>Department of Research, Sint Maartenskliniek Nijmegen
- M-2-20      **Predicting how we grasp arbitrary objects**  
Lina Katharina Klein<sup>1</sup>, Guido Maiello<sup>1</sup>, Juan Chen<sup>2</sup>, Vivian Charlotte Paulun<sup>1</sup>, Jody C Culham<sup>2</sup> & Roland W Fleming<sup>1</sup>  
<sup>1</sup>Justus-Liebig University Giessen, Department of Psychology; <sup>2</sup>University of Western Ontario, Department of Psychology Brain and Mind Institute
- M-2-21      **Disarming the Gunslinger effect: Reaction beats intention for cooperative actions**  
Wilfried Kunde, Lisa Weller & Roland Pfister  
University of Würzburg
- M-2-22      **When specific action biases meet nonspecific preparation: Event repetition modulates the variable-foreperiod effect**  
Robert Langner<sup>1</sup>, Michael B. Steinborn<sup>2</sup>, Simon B. Eickhoff<sup>1</sup> & Lynn Huestegge<sup>2</sup>  
<sup>1</sup>Heinrich Heine University Düsseldorf, Institute of Systems Neuroscience; <sup>2</sup>University of Würzburg, Psychological Methods, Cognition, and Applied Research
- M-2-23      **Optimizing multitasking through our body: Reduced between-task interference when a single response hand is located close to the prioritized stimulus**  
Roman Liepelt<sup>1</sup> & Rico Fischer<sup>2</sup>  
<sup>1</sup>German Sport University Cologne, Performance Psychology; <sup>2</sup>University of Greifswald, Psychology
- M-2-24      **Effects of motor imagery on postural control in quiet stance**  
Tim Naumann, Adam Zabicki, Johannes Kurz & Jörn Munzert  
Justus-Liebig-University, Department of Sports Science
- M-2-25      **The Hard Work of Doing Nothing: Accounting for Inhibitory Costs During Multiple Action Control**  
Tim Raettig & Lynn Huestegge  
University of Würzburg, Institute for Psychology
- M-2-26      **Aftereffects of imagined inhibition**  
Martina Rieger & Stephan F. Dahm  
UMIT
- M-2-27      **Delaying motor planning can reduce reaction times**  
Christian Seegelke & Tobias Heed  
Bielefeld University, Department of Psychology

- M-2-28      **Correlation between linguistic classifications and psychological clusters**  
Marietta Sionti<sup>1</sup> & Thomas Schack<sup>2</sup>  
<sup>1</sup>"Neurocognition and Action - Biomechanics"- Research Group-CITEC Bielefeld University;  
<sup>2</sup>"Neurocognition and Action - Biomechanics"- Research Group-CITEC, Faculty of  
Psychology and Sport Sciences, Bielefeld, University Research Institute for Cognition and  
Robotics CorLab-Bielefeld University
- M-2-29      **Post-Error Slowing: Theoretical Mechanisms and Principal Determinants**  
Michael B. Steinborn & Huestegge Lynn  
University of Würzburg, Department of Psychology III
- M-2-30      **Is control of emotional disrupt valence specific?**  
Elisa Straub, Andrea Kiesel & David Dignath  
Universität Freiburg, Institut für Psychologie, Abteilung für Allgemeine Psychologie
- M-2-31      **Task parameter influences on reach movement strategies in a go-before-you-know action selection paradigm**  
Philipp Ulbrich, Mareike Spengler & Alexander Gail  
Deutsches Primatenzentrum GmbH, Abteilung Kognitive Neurowissenschaften -  
Arbeitsgruppe Sensomotorik
- M-2-32      **Mental rotation skills of expert basketball players: Identifying on-court playing patterns**  
Matthias Weigelt, Karsten Schul & Daniel Memmert  
University of Paderborn, Psychology and Movement Science

## Talks, Monday, 17:00 - 18:30

Symposium

### How human information processing is shaped by its multisensory nature

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00/0020

Ann-Katrin Wesslein

- 17:00     **Implied tactile motion: Localizing dynamic stimulations on the skin**  
Simon Merz<sup>1</sup>, Hauke S. Meyerhoff<sup>2</sup>, Charles Spence<sup>3</sup> & Christian Frings<sup>1</sup>  
<sup>1</sup>University of Trier; <sup>2</sup>Leibniz-Institut für Wissensmedien; <sup>3</sup>University of Oxford
- 17:15     **Visual dominance in long-term memory for naturalistic scenes: Evidence from study-test congruency experiments**  
Hauke S. Meyerhoff<sup>1</sup>, Frank Papenmeier<sup>2</sup> & Markus Huff<sup>3</sup>  
<sup>1</sup>Leibniz-Institut für Wissensmedien; <sup>2</sup>University of Tübingen, Department of Psychology; <sup>3</sup>Department of Research Infrastructures, German Research Institute for Adult Education
- 17:30     **It's just a matter of focus: distractor processing in a multisensory flanker task is modulated by gaze**  
Anne Jensen<sup>1</sup>, Simon Merz<sup>1</sup>, Charles Spence<sup>2</sup> & Christian Frings<sup>1</sup>  
<sup>1</sup>University of Trier, Cognitive Psychology; <sup>2</sup>University of Oxford, Crossmodal Research Laboratory
- 17:45     **Do irrelevant conceptual features automatically trigger crossmodal response retrieval?**  
Julien Schweitzer<sup>1</sup>, Ann-Katrin Wesslein<sup>2</sup> & Friedrich W. Hesse<sup>1</sup>  
<sup>1</sup>Leibniz-Institut für Wissensmedien Tübingen; <sup>2</sup>University of Tübingen
- 18:00     **Object file binding of irrelevant auditory events: Evidence from the cross-modal oddball task**  
Malte Möller<sup>1</sup>, Susanne Mayr<sup>1</sup> & Axel Buchner<sup>2</sup>  
<sup>1</sup>University of Passau, Chair of Psychology and Human-Machine Interaction; <sup>2</sup>Heinrich-Heine University, Düsseldorf, Cognitive and Industrial Psychology

Talk session

### Consumer psychology

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00/0030

Mandy Nuszbaum

- 17:00     **Mere selection increases the value of known products**  
Nadiia Makarina<sup>1</sup>, Ronald Hübner<sup>2</sup> & Sebastian Dummel<sup>3</sup>  
<sup>1</sup>University of Konstanz, Cognitive Psychology and GSDS; <sup>2</sup>University of Konstanz, Cognitive Psychology; <sup>3</sup>Universität zu Köln, Differentielle Psychologie und Psychologische Diagnostik
- 17:15     **Less is more! Cross-modal Effects of Music Event Rate on Product Perceptions**  
Robert Schorn<sup>1</sup>, Alexandra Brunner-Sperdin<sup>2</sup> & Dagmar Abfalter<sup>3</sup>  
<sup>1</sup>UMIT - University for Health Sciences, Medical Informatics and Technology, Institute of Psychology; <sup>2</sup>University of Applied Sciences, Kufstein; <sup>3</sup>University of Music and Performing Arts

- 17:30 **Bridging the gap between science and practice – Affect Misattribution Procedure as ecological and easy to manage tool to measure implicit brand attitudes**  
Mandy Nuszbaum & Tanja Krause  
FOM University of Applied Sciences, Business Psychology
- 17:45 **Number of users as a heuristic for making decision: advice-taking in social media**  
Guillermo Carbonell<sup>1</sup>, Matthias Brand<sup>1</sup> & Dar Meshi<sup>2</sup>  
<sup>1</sup>University of Duisburg-Essen, General Psychology: Cognition; <sup>2</sup>Michigan State University, Social and Media Neuroscience Lab
- 18:00 **Thinking Locally or Globally? – Trying to Overcome the Tragedy of Personnel Evaluation**  
Momme von Sydow<sup>1</sup>, Niels Braus<sup>2</sup> & Ulrike Hahn<sup>3</sup>  
<sup>1</sup>Ludwig-Maximilians-Universität München, MCMP; <sup>2</sup>Ruprecht-Karls-Universität Heidelberg, Institut für Psychologie, Sozialpsychologie; <sup>3</sup>Birkbeck College University of London, Department of Psychology

Symposium

**Predictions in sensorimotor control**

00/0070

Dimitris Voudouris & Katja Fiehler

- 17:00 **Time course of tactile modulation in reaching**  
Dimitris Voudouris & Katja Fiehler  
Experimental Psychology, Giessen University
- 17:15 **Prediction in saccadic eye movement**  
Markus Lappe  
University of Muenster, Institute for Psychology
- 17:30 **Prediction in the oculomotor system**  
Alexander Goettker<sup>1</sup>, Doris I Braun<sup>2</sup>, Alexander C Schütz<sup>3</sup> & Karl R Gegenfurtner<sup>2</sup>  
<sup>1</sup>Justus-Liebig University, Experimental Psychology; <sup>2</sup>Justus-Liebig University Giessen, Experimental Psychology; <sup>3</sup>Philipps-University Marburg, Sensomotoric learning
- 17:45 **Predicting and perceiving multisensory consequences of one's own action**  
Bianca van Kemenade  
Philipps-University Marburg, Department of Psychiatry and Psychotherapy
- 18:00 **Role of the cerebellum in adaptation to delayed action effects**  
Liyu Cao  
University of Würzburg, Department of Psychology

Talk session

**Working memory**

01/0010

Jan Philipp Röer

- 17:00 **A new critical test for discrete-state models of change detection based on likelihood-ratios**  
Samuel Winiger<sup>1</sup>, Henrik Singmann<sup>1</sup>, David Kellen<sup>2</sup> & Klaus Oberauer<sup>1</sup>  
<sup>1</sup>University of Zurich, Department of Psychology, Cognition Unit; <sup>2</sup>Syracuse University

Talks, Monday, 17:00 - 18:30

- 17:15      **Adaptive Control of Working Memory**  
Eva-Maria Hartmann, Stefanie Ochsenkühn, Marco Steinhauser & Miriam Gade  
Katholische Universität Eichstätt Ingolstadt, General Psychology
- 17:30      **Semantic mismatches and attention shifts to the auditory modality**  
Jan Philipp Röer<sup>1</sup>, Raoul Bell<sup>2</sup> & Axel Buchner<sup>2</sup>  
<sup>1</sup>Witten/Herdecke University; <sup>2</sup>Heinrich Heine University Düsseldorf
- 17:45      **Working Memory Capacity Facilitates the Generation of Free Choices**  
Christoph Naefgen & Markus Janczyk  
Tübingen University, Cognition and Action
- 18:00      **Proactive Item Distortions in Visual Working Memory**  
Stefan Czoschke<sup>1</sup>, Benjamin Rahm<sup>2</sup>, Benjamin Peters<sup>1</sup>, Jochen Kaiser<sup>1</sup> & Christoph Bledowski<sup>1</sup>  
<sup>1</sup>Goethe University, Institute of Medical Psychology; <sup>2</sup>Albert-Ludwigs-University, Medical Psychology and Medical Sociology

Symposium

## **Cognitive Models in Judgment and Decision Making**

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**01/0020**

Henrik Singmann & Thorsten Pachur

- 17:00      **Moral bookkeeping: A cognitive model of moral judgments**  
Henrik Singmann<sup>1</sup>, Igor Douven<sup>2</sup>, Frank Hindriks<sup>3</sup> & Sylvia Wenmackers<sup>4</sup>  
<sup>1</sup>University of Zurich; <sup>2</sup>CNRS/Paris-Sorbonne University; <sup>3</sup>University of Groningen; <sup>4</sup>KU Leuven
- 17:15      **Take it easy: Using cumulative prospect theory to understand the influence of option complexity on age differences in risk attitude**  
Veronika Zilker & Thorsten Pachur  
Max Planck Institute for Human Development, Center for Adaptive Rationality
- 17:30      **Unstacking judgments: What response distributions reveal about the cognitive process in multiple-cue judgments**  
Rebecca Albrecht<sup>1</sup>, Janina A. Hoffmann<sup>2</sup>, Timothy J. Pleskac<sup>3</sup>, Jörg Rieskamp<sup>1</sup> & Bettina von Helversen<sup>4</sup>  
<sup>1</sup>University of Basel; <sup>2</sup>University of Konstanz; <sup>3</sup>Max Planck Institute for Human Development; <sup>4</sup>University of Zurich
- 17:45      **Information search in decisions from experience**  
Mikhail S. Spektor & Dirk U. Wulff  
University of Basel, Faculty of Psychology
- 18:00      **Parameter collision in probabilistic models of cognition: How to separate parameterization of evidence strength and choice noise**  
Antonia Krefeld-Schwalb<sup>1</sup>, Thorsten Pachur<sup>2</sup> & Benjamin Scheibehenne<sup>1</sup>  
<sup>1</sup>University of Geneva, Geneva School of Economics and Management; <sup>2</sup>Max Planck Institute for Human Development
- 18:15      **Leave-One-Trial-Out (LOTO): A very simple and very general method to capture trial-by-trial variability in cognitive model parameters**  
Sebastian Gluth & Nachshon Meiran  
University of Basel, Department of Psychology



Talk session

## Traffic psychology

01/0030

Martin Baumann

17:00

### **Visuelle und akustische Ablenkung bei jungen und älteren Autofahrern im Fahrsimulator – eine EEG-Studie**

Melanie Karthaus, Edmund Wascher & Stephan Getzmann  
Leibniz Research Centre for Working Environment and Human Factors (IfADo),  
Department of Ergonomics

17:15

### **Blind Haste: As Light Decreases, Speeding Increases**

Michael Schulte-Mecklenbeck<sup>1</sup> & Emanuel DeBellis<sup>2</sup>  
<sup>1</sup>University of Bern; Max Planck Institute for Human Development; <sup>2</sup>University of St. Gallen

17:30

### **The anticipatory driving interval: the effect of cognitive load and cue characteristics**

Kristin Muehl  
Ulm University, Department Human Factors, Institute of Psychology and Education, Faculty of Engineering, Computer Science and Psychology

17:45

### **Investigating the Influences of Time to Collision and Closing Speed on Driver Uncertainty in Lane Change Maneuvers**

Fei Yan<sup>1</sup> & Martin Baumann<sup>2</sup>  
<sup>1</sup>OFFIS- Institute for Information Technology; <sup>2</sup>Ulm University

18:00

### **Assessment tool for measuring a driver's willingness of interaction**

Jonas Imbsweiler, Jeanine Bachmann, Julius Braun, Tobias Weyer & Barbara Deml  
Karlsruhe Institute of Technology - ifab - Institute of Human and Industrial Engineering

Talk session

## Divided attention

01/0110

Andrea Kiesel

17:00

### **Fatigue and Resting Related Changes in a Dual-two-Back Task**

András Matuz<sup>1</sup>, Orsolya Simon<sup>1</sup>, István Hernádi<sup>2</sup>, Zsolt Kisander<sup>1</sup>, Kázmér Karádi<sup>1</sup> & Árpád Csathó<sup>1</sup>  
<sup>1</sup>University of Pécs, Institute of Behavioural Sciences; <sup>2</sup>University of Pécs, Department of Experimental Neurobiology

17:15

### **Temporal predictability of between-task interference in dual tasking: Foreperiods as contextual cues modulate the backward compatibility effect**

Victor Mittelstädt<sup>1</sup>, Andrea Kiesel<sup>1</sup>, Rico Fischer<sup>2</sup>, Tobias Rieger<sup>1</sup> & Roland Thomaschke<sup>1</sup>  
<sup>1</sup>University of Freiburg, Department of Psychology; <sup>2</sup>University of Greifswald, Department of Psychology

17:30

### **Sources of task prioritization: The interplay of response modalities and task order**

Mareike Amelie Hoffmann, Aleks Pieczykolan & Lynn Huestegge  
University of Würzburg, Department of Psychology

Talks, Monday, 17:00 - 18:30

- 17:45      **Eyes into the future: Temporal shifts of oculomotor action perception during concurrent execution of manual actions**  
Aleks Pieczykolan & Lynn Huestegge  
University of Würzburg, Department of Psychology
- 18:00      **Predictability as a task-specific performance enhancer in multitasking**  
Laura Broeker  
German Sport University Cologne, Institute of Psychology - Department of Performance Psychology
- 18:15      **Modality compatibility biases voluntary choice of response modality in task switching**  
Edina Fintor, Edita Poljac, Denise N. Stephan & Iring Koch  
RWTH Aachen University

Talk session

## Emotions

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01/0120

Kristina Loderer

- 17:15      **Impaired implicit acquisition of spatial context information during increased arousal**  
Thomas Maran, Simon Liegl, Lucas Haraped & Pierre Sachse  
General and Experimental Psychology, Department of Psychology, University of Innsbruck
- 17:30      **The Impact of Emotions on Cognitive Processing during Text Learning**  
Kristina Loderer<sup>1</sup>, Christof Kuhbandner<sup>2</sup> & Reinhard Pekrun<sup>3</sup>  
<sup>1</sup>Ludwig-Maximilians-Universität München (University of Munich, LMU), Department of Psychology; <sup>2</sup>Universität Regensburg, Institut für Experimentelle Psychologie, Lehrstuhl für Psychologie VI; <sup>3</sup>Ludwig-Maximilians-Universität München (University of Munich, LMU), Department of Psychology; Australian Catholic University Sydney
- 17:45      **The other end of the line: Motivational direction cannot be measured by spatial biases in line bisection**  
Giulia Pugnaghi<sup>1</sup>, Carina Kreitz<sup>1</sup>, Daniel Memmert<sup>1</sup> & Robert Schnürch<sup>2</sup>  
<sup>1</sup>German Sport University Cologne, Institute of Training and Computer Science in Sport; <sup>2</sup>University of Bonn, Department of Psychology
- 18:00      **Crow's feet and frown lines – Successful automatic extraction of authenticity of emotional facial expressions depends on the surrounding context**  
Vincent Exner<sup>1</sup>, Andrea Paulus<sup>2</sup> & Julia Kozlik<sup>1</sup>  
<sup>1</sup>University of Greifswald, Psychological Institute; <sup>2</sup>Technical University of Munich, Chair of Psychology
- 18:15      **Being in a good mood makes you put more /i:/s in names, but only if you can smile**  
Susann Ullrich<sup>1</sup>, Ralf Rummer<sup>1</sup>, Christian Döbel<sup>2</sup> & Gerd Fabian Volk<sup>3</sup>  
<sup>1</sup>Universität Erfurt, Allgemeine Psychologie und Instruktionspsychologie; <sup>2</sup>Universität Jena, Institut für Psychologie, Experimentelle HNO Wissenschaft; <sup>3</sup>Universität Jena, Universitätsklinikum Klinik für Hals-, Nasen- und Ohrenheilkunde

Symposium

**Lost for words - A symposium on the relationship between language and perception**

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**02/0090**

Florian Goller

- 17:00      **I spy with my little eye: About features that capture the attention of Korean speakers but not of German speakers**  
Florian Goller<sup>1</sup>, Soonja Choi<sup>2</sup> & Ulrich Ansorge<sup>1</sup>  
<sup>1</sup>University of Vienna, Department of Basic Psychological Research and Research Methods; <sup>2</sup>San Diego State University, Department of Linguistics and Asian/Middle-Eastern Languages; University of Vienna, Faculty of Philological and Cultural Studies
- 17:15      **Ping-pong: attentional mechanisms during visual and linguistic encoding**  
Ines Marberg & Johannes Gerwien  
University of Heidelberg, Institute for German as a Foreign Language Philology
- 17:30      **Spatial referencing across languages**  
Annelie Rothe-Wulf<sup>1</sup>, Sieghard Beller<sup>2</sup> & Andrea Bender<sup>2</sup>  
<sup>1</sup>University of Freiburg, Department of Psychology; <sup>2</sup>University of Bergen, Department of Psychosocial science
- 17:45      **Language Effects in Top-Down Search for Colors**  
Diane Baier & Ulrich Ansorge  
University of Vienna, Department of Basic Psychological Research and Research Methods
- 18:00      **Neo's spoon and Newton's apples: What material properties are part of object representations?**  
Lorilei M. Alley, Alexandra C. Schmid & Katja Dörschner  
Justus-Liebig-Universität Gießen, Psychologie u. Sportwissenschaft
- 18:15      **Lexical access on behalf of task partner: electrophysiological insights from Joint Picture Naming**  
Anna Katharina Kuhlen & Rasha Abdel Rahman  
Neurokognitive Psychologie, Institut für Psychologie, Humboldt Universität zu Berlin

## Talks, Tuesday, 08:30 - 10:00

Talk session

### Perception: Visibility and awareness

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00/0020

Guido Hesselmann

08:30

#### **Crowding in real depth - The impact of size and defocus blur**

Lisa Valentina Eberhardt & Anke Huckauf  
Ulm University, General Psychology

08:45

#### **Brighter is not always better: High salience can slow responses to warning signals**

Christiane R. Neubert<sup>1</sup>, Wolfgang Einhäuser<sup>2</sup>, Sabine Grimm<sup>3</sup> & Alexandra Bendixen<sup>1</sup>

<sup>1</sup>Chemnitz University of Technology, Institute of Physics - Cognitive Systems Lab;

<sup>2</sup>Chemnitz University of Technology, Institute of Physics - Physics of Cognition Group;

<sup>3</sup>Leipzig University, Institute of Psychology - Cognitive and Biological Psychology;  
Chemnitz University of Technology, Institute of Physics - Cognitive Systems Lab

09:00

#### **Reviewing evidence for superior unconscious processing - Do we really perceive more than we know?**

Sascha Meyen, Ulrike von Luxburg & Volker H Franz  
Eberhard Karls University of Tübingen, Department of Computer Science

09:15

#### **Cognitive modelling reveals subjective visibility depends on task-relevant and task-irrelevant features as well as detection of motor errors**

Manuel Rausch & Michael Zehetleitner  
Katholische Universität Eichstätt-Ingolstadt, Psychologie II

09:30

#### **Category-selective processing in the two visual pathways as a function of visibility**

Guido Hesselmann, Natasha Darcy & Philipp Sterzer  
Charité-Universitätsmedizin Berlin

09:45

#### **When predictive coding impedes perception**

Ellen Joos<sup>1</sup> & Jürgen Kornmeier<sup>2</sup>

<sup>1</sup>INSERM U1114, Cognitive Neuropsychology and Pathophysiology of Schizophrenia, University of Strasbourg; University of Freiburg, Medical Center, Department of Psychiatry and Psychotherapy; Institute for Frontier Areas of Psychology and Mental Health, Perception and Cognition Group; <sup>2</sup>University of Freiburg, Medical Center, Department of Psychiatry and Psychotherapy; Institute for Frontier Areas of Psychology and Mental Health, Perception and Cognition Group

Symposium

**Going where no researcher has gone before - cognitive control without homunculus? I**

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**00/0030**

Miriam Gade & Alodie Rey-Mermet

08:30 **To solve several conflicts concurrently, do we need more control or more slowing?**

Alodie Rey-Mermet & Miriam Gade  
Catholic University of Eichstätt-Ingolstadt, General Psychology

08:45 **Probing attentional adjustment**

Mike Wendt  
Medical School Hamburg, Faculty of Human Sciences

09:00 **The impact of cognitive control demands on subsequent memory performance**

Michèle Friedli & Beat Meier  
University of Bern, Experimental Psychology and Neuropsychology

09:15 **Age differences in the flexible use of cognitive control: ERP and behavioral evidence for life-span differences in reactive and proactive control**

Daniela Czernochowski  
University of Kaiserslautern, Center for Cognitive Science

09:30 **Monitoring in cognitive control: a distinct right-lateralized prefrontal process**

Antonino Vallesi  
University of Padova, Department of Neuroscience

09:45 **Evaluating a Learning Model of Attentional Control on the Wisconsin Card Sorting Test**

Alexander Steinke<sup>1</sup>, Florian Lange<sup>2</sup>, Caroline Seer<sup>3</sup> & Bruno Kopp<sup>1</sup>  
<sup>1</sup>Hannover Medical School, Department of Neurology; <sup>2</sup>Hannover Medical School, Department of Neurology; KU Leuven, Behavioral Engineering Research Group; <sup>3</sup>Hannover Medical School, Department of Neurology; KU Leuven, Department of Movement Sciences, Movement Control & Neuroplasticity Research Group

Talk session

**Action and Motor Control**

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**00/0070**

Benjamin Straube

08:30 **Pimping Inhibition: anodal tDCS enhances stop-signal reaction time**

Maximilian Achim Friebs & Christian Frings  
University of Trier

08:45 **The processing of visual consequences of active vs. passive movements: A tDCS study**

Benjamin Straube, Rasmus Schülke, Knut Drewing, Tilo Kircher & Bianca van Kemenade  
Philipps-Universität Marburg, Klinik für Psychiatrie und Psychotherapie

Talks, Tuesday, 08:30 - 10:00

09:00 **Comparing ideo-motor and socio-motor control of eye movements**

Eva Riechelmann, Anne Böckler, Tim Raettig & Lynn Huestegge  
University of Wuerzburg, Psychological Methods, Cognition, and Applied Research

09:15 **Human Visual Grasp Selection**

Guido Maiello, Lina K Klein, Vivian C Paulun & Roland W Fleming  
Justus-Liebig University Gießen, Department of Experimental Psychology

09:30 **Cognitive performance under motor demands – On the influence of task difficulty and postural control**

Magnus Liebherr<sup>1</sup>, Hanna Weiland-Breckle<sup>2</sup>, Tanja Grewe<sup>3</sup> & Petra B. Schumacher<sup>2</sup>  
<sup>1</sup>University of Duisburg-Essen, Department of General Psychology: Cognition; <sup>2</sup>University of Cologne, Department of German Language and Literature I; <sup>3</sup>Hochschule Fresenius, University of Applied Sciences, Faculty of Health and Social Sciences

09:45 **My mistake? Enhanced error processing for commanded compared to passively observed actions**

Lisa Weller, Katharina A. Schwarz, Wilfried Kunde & Roland Pfister  
University of Wuerzburg, Department of Psychology III

Symposium

**Visual working memory: Topics, theories, and approaches I**

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01/0010

Heinrich Liesefeld & Markus Conci

08:30 **Changing working memory states by means of retroactive cues: What can lateralized effects in the EEG tell us?**

Daniel Schneider, Anna Barth, Laura-Isabelle Klatt & Edmund Wascher  
Leibniz Research Centre for Working Environment and Human Factors

08:45 **Prioritization across distributed neural stores for visual working memory**

Thomas B. Christophel, Polina Iamshchinina, Chang Yan, Carsten Allefeld & John-Dylan Haynes  
BCCN Berlin

09:00 **Independent effects of eye and hand movements on visual working memory**

Nina Maria Hanning & Heiner Deubel  
Ludwig-Maximilians-Universität München, Allgemeine und Experimentelle Psychologie

09:15 **Rhythmic modulation of object-based attention in working memory**

Benjamin Peters<sup>1</sup>, Benjamin Rahm<sup>2</sup>, Jochen Kaiser<sup>1</sup> & Christoph Bledowski<sup>1</sup>  
<sup>1</sup>Institute of Medical Psychology, Goethe-University Frankfurt am Main; <sup>2</sup>Medical Psychology and Medical Sociology, Albert Ludwigs University of Freiburg

09:30 **How an executive control mechanism gates access to visual working memory**

Heinrich René Liesefeld<sup>1</sup> & Hermann J. Müller<sup>2</sup>  
<sup>1</sup>Department Psychologie, Ludwig-Maximilians-Universität München; Graduate School of Systemic Neuroscience; <sup>2</sup>Department Psychologie, Ludwig-Maximilians-Universität München; Birkbeck College

- 09:45 **The cost of processing multiple feature dimensions in visual working memory**  
Thomas Töllner  
Ludwig-Maximilians-Universität München

Talk session

## Decision making I

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01/0020

Elisa Wegmann

- 08:30 **Predicting value-based decisions using a memory model**  
Tamara Gomilsek, Wolfgang Gaissmaier & Janina Anna Hoffmann  
University of Konstanz, Department for Psychology
- 08:45 **Do we choose what we remember because we pay more attention to it?**  
Regina Agnes Weillbacher<sup>1</sup>, Jörg Rieskamp<sup>1</sup>, Ian Krajbich<sup>2</sup> & Sebastian Gluth<sup>1</sup>  
<sup>1</sup>University of Basel, Faculty of Psychology; <sup>2</sup>Ohio State University, Department of Psychology
- 09:00 **Too good to be true? Behavioral and pupillometric signatures of surprise in risk—reward environments**  
Christina Leuker, Thorsten Pachur, Ralph Hertwig & Timothy J Pleskac  
Max Planck Institute for Human Development
- 09:15 **Should I sit or should I stand – On the relevance of motor demands on decision making under objective risk**  
Heike Averbach<sup>1</sup>, Magnus Lieberr<sup>1</sup>, Patric Schubert<sup>2</sup> & Matthias Brand<sup>1</sup>  
<sup>1</sup>University of Duisburg-Essen, Department of General Psychology: Cognition;  
<sup>2</sup>Hochschule Fresenius, University of Applied Sciences, Faculty of Health and Social Sciences
- 09:30 **Credit Assignment and Reinforcement Learning in Environments with Multiple Feedback**  
Franz Wurm, Benjamin Ernst & Marco Steinhauser  
Catholic University of Eichstätt-Ingolstadt
- 09:45 **Decision support as a possibility to improve decision-making performance in patients with mild Alzheimer's disease**  
Elisa Wegmann<sup>1</sup>, María García Arías<sup>2</sup>, Silke M. Müller<sup>1</sup> & Matthias Brand<sup>3</sup>  
<sup>1</sup>University of Duisburg-Essen, General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR); <sup>2</sup>Universidad Francisco de Vitoria Gabinete de Orientación Educativa; <sup>3</sup>University of Duisburg-Essen, General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR); Erwin L. Hahn Institute for Magnetic Resonance Imaging

Symposium

**Mensch-Maschine-Interaktion im Zuge der Automatisierung und Vernetzung von Fahrzeugen I**

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**01/0030**

Christine Sutter, Anja K. Huemer & Michael Oehl

08:30

**Kognitionspsychologische Erkenntnisse zum hochautomatisierten Fahren – eine Übersicht**

Manfred Thüring, Fabienne Roche & Stefan Brandenburg  
Technical University Berlin, Department of Psychology and Ergonomics

08:45

**Bewertung kritischer Verkehrssituationen während einer vollautomatisierten Fahrt**

Leonie Gauer  
Katholische Universität Eichstätt-Ingolstadt, Allgemeine Psychologie II

09:00

**Besser abgelenkt als eingeschlafen? Übernahme der manuellen Steuerung nach hochautomatisiertem Fahren**

Tobias Vogelpohl & Mark Vollrath  
Technische Universität Braunschweig, Department of Engineering and Traffic Psychology

09:15

**Perzeptuelle Sichtbedingungen beeinflussen unsere Fähigkeit, adäquat auf ein versagen automatisierter Fahrfunktionen zu reagieren**

Martin Baumann<sup>1</sup> & Lewis Chuang<sup>2</sup>  
<sup>1</sup>Universität Ulm, Germany; <sup>2</sup>Max Planck Institute for Biological Cybernetics

09:30

**Erlernbarkeit von Übernahmeaufforderungen beim hochautomatisierten Fahren**

Fabienne Roche, Stefan Brandenburg & Manfred Thüring  
Technical University Berlin, Department of Psychology and Ergonomics

09:45

**Der Kraftfahrer im Fokus: Nutzerzentrierte Entwicklung eines Konzepts für autonome Fahrfunktionen**

Dominique Stimm, Julia Schäfer & Arnd Engeln  
Hochschule der Medien

Symposium

**Recent advances in TVA-based visual attention research**

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**01/0110**

Ingrid Scharlau, Kathrin Finke & Alexander Krüger

08:30

**The Theory of Visual Attention: A model of endogenous and exogenous influences in prior entry**

Alexander Krüger & Ingrid Scharlau  
Paderborn University

08:45

**A simpler task for deeper insights: TOJ + TVA, and their application to animal data**

Jan Tünnermann & Ingrid Scharlau  
Paderborn University, Psychology

09:00

**Three Weeks of SSRI Administration enhances the Visual Perceptual Threshold - A Randomized Placebo-Controlled Study**

Jon Lansner  
University of Copenhagen, Center for Visual Cognition



- 09:15 **The role of the cerebellum in motor-cognitive dual-tasking**  
Erika C. S. Künstler, Kathrin Finke, Albrecht Günther, Carsten Klingner & Peter Bublak  
Hans Berger Department of Neurology, Jena University Hospital
- 09:30 **Visual processing capacity in multiple sclerosis: experimental induction of cognitive fatigue based on a 'theory of visual attention' (TVA)**  
Steffen Kluckow<sup>1</sup>, Philipp M Berg<sup>2</sup>, Matthias Schwab<sup>1</sup>, Otto Witte<sup>1</sup> & Peter Bublak<sup>1</sup>  
<sup>1</sup>Jena University Hospital; <sup>2</sup>Philipps University Marburg
- 09:45 **TVA-based assessment of visual processing capacity in patients with idiopathic REM sleep behaviour disorder**  
Peter Bublak  
Jena University Hospital, Hans Berger Department of Neurology

Talk session

## **Aggression and Morality**

**01/0120**

Gerd Bohner

- 08:30 **Effects of Emotional Victim Responses on Aggressive Behaviour**  
Vanessa Mitschke<sup>1</sup>, Mario Gollwitzer<sup>2</sup> & Andreas B Eder<sup>1</sup>  
<sup>1</sup>University of Würzburg, Department of Psychology; <sup>2</sup>Philipps-Universität Marburg, Department of Psychology
- 08:45 **Law Students' Judgments of a Rape Victim's Statement: The Role of Displays of Emotion and Acceptance of Sexual Aggression Myths**  
Gerd Bohner & Evelyn Schapansky  
Universität Bielefeld, Department of Psychology
- 09:00 **To kill or not to kill – Scrutinizing the effects of personal involvement, death avoidability, and egoistic incentives on moral judgment in sacrificial dilemmas**  
Max Hennig & Mandy Hütter  
Eberhard Karls Universität Tübingen
- 09:15 **The Influence of Plausibility Variation on Moral Dilemma Judgments**  
Anita Körner & Roland Deutsch  
Universität Würzburg, Lehrstuhl für Psychologie II
- 09:30 **Clear moral judgments based on unclear evidence: Person evaluation is strongly influenced by untrustworthy gossip**  
Julia Baum, Milena Rabovsky, Sebastian Rose & Rasha Abdel Rahman  
Humboldt-Universität zu Berlin, Institut für Psychologie, Neurokognitive Psychologie
- 09:45 **Zum Einfluss sozialer Erwünschtheit auf Selbstberichte der Organspendebereitschaft – eine experimentelle Validierung zweier Non-Randomized-Response-Verfahren**  
Adrian Hoffmann & Jochen Musch  
University of Duesseldorf, Department of Psychology

Symposium

**Emotion in words: Shedding light on emotional language production, perception and evaluation.**

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**02/0090**

Sebastian Schindler & Johanna Kissler

08:30

**Measuring potency in words with the semantic differential**

Marina Palazova<sup>1</sup>, Birgit Stürmer<sup>1</sup> & Annekathrin Schacht<sup>2</sup>

<sup>1</sup>International Psychoanalytic University Berlin; <sup>2</sup>Georg-August-Universität Göttingen

08:45

**When positive and negative is not the same: Evaluation of emotional words using event-related potentials**

Sebastian Schindler

Ghent University; Bielefeld University

09:00

**How mood affects processing of emotional adjectives in L1 and L2 - an ERP study**

Johanna M Kißler<sup>1</sup> & Katarzyna Bromberek-Dyzman<sup>2</sup>

<sup>1</sup>Bielefeld University, Department of Psychology, Affective Neuropsychology; <sup>2</sup>Adam Mickiewicz University, Faculty of English, Language and Communication Laboratory

09:15

**Insights into embodied language: neural activity during body-related and emotional word processing**

Christine Wiebking<sup>1</sup>, Christina Ralph-Nearman<sup>2</sup> & Cornelia Herbert<sup>1</sup>

<sup>1</sup>Ulm University, Applied Emotion and Motivation Research; <sup>2</sup>University of Nottingham, School of Psychology

09:30

**Swearing and Taboo Word Production: Behavioral and Electrophysiological Correlates**

Rasha Abdel Rahman & Lana Rohr

Humboldt-Universität zu Berlin

## Talks, Tuesday, 10:30 - 12:00

Symposium

### Perceptual stability

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00/0020

Emma E. M. Stewart & Alexander C. Schütz

10:30 **Localization of objects across saccades based on intra-saccadic motion streaks**

Richard Schweitzer<sup>1</sup> & Martin Rolfs<sup>2</sup>

<sup>1</sup>Bernstein Center for Computational Neuroscience Berlin; Humboldt-Universität zu Berlin, Department of Psychology; Humboldt-Universität zu Berlin, Berlin School of Mind and Brain; <sup>2</sup>Bernstein Center for Computational Neuroscience Berlin; Humboldt-Universität zu Berlin, Department of Psychology

10:45 **Rapid spatiotopic updating across saccades**

Jasper Fabius

Utrecht University, Helmholtz Institute, Experimental Psychology

11:00 **Numerosity estimation benefits from transsaccadic information integration**

Carolin Hübner & Alexander C. Schütz

Philipps-Universität Marburg

11:15 **Mechanisms underlying trans-saccadic integration**

Emma Elizabeth Marshall Stewart & Alexander C. Schütz

Philipps-Universität Marburg, AG Allgemeine und Biologische Psychologie

11:30 **Visual feature prediction before saccadic eye movements**

Arvid Herwig & Christian H. Poth

Bielefeld University, Department of Psychology & CITEC

11:45 **Trans-saccadic learning promotes perceptual stability**

Matteo Valsecchi

Justus-Liebig-Universität Giessen, Abteilung Allgemeine Psychologie

Symposium

### Going where no researcher has gone before - cognitive control without homunculus? II

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00/0030

Miriam Gade & Alodie Rey-Mermet

10:30 **An Episodic Memory Account of Cued Task Switching**

James R. Schmidt, Baptist Liefoghe & Jan De Houwer

Ghent University

10:45 **Biased competition to account for task choice in self-organized task switching**

Andrea Kiesel<sup>1</sup>, Victor Mittelstädt<sup>1</sup> & Jeff Miller<sup>2</sup>

<sup>1</sup>Albert-Ludwigs-Universität Freiburg; <sup>2</sup>University of Otago

11:00 **Context-specific instruction implementation**

Senne Braem

Ghent University

Talks, Tuesday, 10:30 - 12:00

- 11:15      **Simon says, do not turn by 90 degrees - investigating the impact of stimulus material, stimulus orientation and inner speech habits on the Simon effect**

Miriam Gade<sup>1</sup>, Michel D Druey<sup>2</sup> & Marko Paelecke<sup>3</sup>

<sup>1</sup>Katholische Universität Eichstätt-Ingolstadt; <sup>2</sup>University of Konstanz; <sup>3</sup>University of Würzburg

- 11:30      **Discussion**

Marco Steinhauser

Katholische Universität Eichstätt-Ingolstadt

Symposium

## **What about the Cinderella of Psychology? Motor perspectives on human cognitive processing**

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**00/0070**

David Franklin & Mathias Hegele

- 10:30      **Visuomotor binding**

Alexandra Reichenbach

Hochschule Heilbronn, Fakultät für Informatik

- 10:45      **Competition between reach targets within the fast visuomotor pathway**

Luc Selen

Donders Institute for Brain, Cognition and Behaviour Radboud University Nijmegen

- 11:00      **Sensorimotor cues giving rise to independent learning of motor memories**

David W. Franklin

Technical University of Munich, Department of Sport and Health Sciences

- 11:15      **Sensorimotor learning and decision-making in uncertain environments**

Daniel Braun

Institute of Neural Information Processing, Ulm University

- 11:30      **Characterizing explicit and implicit contributions to visuomotor adaptation**

Mathias Hegele

Justus-Liebig University, Department of Psychology and Sport Science

Symposium

## **Visual working memory: Topics, theories, and approaches II**

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**01/0010**

Heinrich Liesefeld & Markus Conci

- 10:30      **Visual working memory biases attention in an involuntarily object-based manner: Evidence from visual search with varying targets**

Rebecca M. Förster & Werner X. Schneider

Bielefeld University, Neurocognitive Psychology & Cognitive Interaction Technology Cluster of Excellence CITEC

- 10:45 **The visual representation of templates for rejection**  
Reshanne R Reeder<sup>1</sup>, Christian N L Olivers<sup>2</sup> & Stefan Pollmann<sup>3</sup>  
<sup>1</sup>Otto-von-Guericke University, Institute of Psychology; <sup>2</sup>Vrije Universiteit, Department of Experimental and Applied Psychology; <sup>3</sup>Otto-von-Guericke University, Institute of Psychology, Magdeburg; Germany Center for Behavioral Brain Sciences
- 11:00 **Task demands bias structural representations in visual working memory: Global- and local-level hierarchical object benefits**  
Markus Conci, Heinrich René Liesefeld, Hermann J. Müller & Qi-Yang Nie  
Ludwig-Maximilians-Universität München, Department Psychologie
- 11:15 **An Interference Model of Visual Working Memory: Applications to Change Detection**  
Hsuan-Yu Lin & Klaus Oberauer  
Department of Psychology, University of Zurich
- 11:30 **Age and individual differences in visual working memory: the role of trial-by-trial fluctuations in attentional control**  
Kerstin Jost<sup>1</sup>, Atsushi Kikumoto<sup>2</sup>, Tina Schwarzkopp<sup>3</sup> & Ulrich Mayr<sup>2</sup>  
<sup>1</sup>Brandenburg Medical School, Psychology; RWTH Aachen University, Institute of Psychology; <sup>2</sup>University of Oregon, Department of Psychology; <sup>3</sup>RWTH Aachen University, Institute of Psychology
- 11:45 **Frontoparietal EEG phase coupling reflects the successful memory encoding of constructed objects during maintenance in visual working memory**  
Patrick H. Khader<sup>1</sup>, Frank Rösler<sup>2</sup> & Julia A. Ewerdtwalbesloh<sup>3</sup>  
<sup>1</sup>Brandenburg Medical School, Psychology; <sup>2</sup>University of Hamburg, Psychology; <sup>3</sup>Ludwig-Maximilians-Universität, Department of Psychology

Talk session

## Decision making II

01/0020

Thorsten Pachur

- 10:30 **An analysis of response times in probability judgments based on the Dual-Process Diffusion Model**  
Jonas Ludwig, Fabian Klaus Ahrens & Anja Achtziger  
Zeppelin Universität Friedrichshafen, Department of Political and Social Sciences
- 10:45 **Making inferences from bets: What would a Bayesian do?**  
Christin Schulze & Timothy J. Pleskac  
Max Planck Institute for Human Development, Center for Adaptive Rationality
- 11:00 **Theoretical and Empirical Comparison of Parallel Constraint Satisfaction and Leaky Accumulator Models**  
Tillmann Netts & Andreas Glöckner  
FernUniversität in Hagen, Institut für Psychologie
- 11:15 **Beyond mean comparisons: a model based process-level comparison of online and laboratory based experimental data**  
Luisa Horsten, Felix Henninger & Benjamin E. Hilbig  
University of Koblenz-Landau, Cognitive Psychology

Talks, Tuesday, 10:30 - 12:00

- 11:30 **Paved with Gut Intuitions? Dissecting Differences between Intuitive and Deliberate Decision Makers in Complex Risky Decisions**  
Thorsten Pachur<sup>1</sup>, Helen Steingroever<sup>2</sup> & Michael M. Lee<sup>3</sup>  
<sup>1</sup>Max Planck Institute for Human Development; <sup>2</sup>University of Amsterdam; <sup>3</sup>University of Irvine
- 11:45 **Interpersonal closeness impairs the ability to recall trust decisions**  
Pinar Ugurlar, Michael Zürn & Ann-Christin Posten  
University of Cologne, Social Cognition Center Cologne

Symposium

## **Mensch-Maschine-Interaktion im Zuge der Automatisierung und Vernetzung von Fahrzeugen II**

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- 01/0030** Christine Sutter, Anja K. Huemer & Michael Oehl
- 10:30 **Systematisierungsentwurf für fahrfremde Tätigkeiten bei hochautomatisierter Fahrt**  
Andreas Lars Mueller & Bettina Abendroth  
Technische Universität Darmstadt Institute of Ergonomics & Human Factors
- 10:45 **Beanspruchungswirkung von Interaktionskonzepten für Nebenaufgaben während der Fahrt**  
Nikolai Pärsch<sup>1</sup>, Arnd Engeln<sup>2</sup> & Martin Baumann<sup>3</sup>  
<sup>1</sup>Dr. Ing. h.c. F. Porsche AG, HMI Anzeige und Bedienung; <sup>2</sup>Stuttgart Media University, Market- & Advertising Research, Traffic & Transport Psychology; <sup>3</sup>Ulm University, Human Factors
- 11:00 **Kontaktanaloges Distanz-Tachometer - Auswirkungen auf das Situationsbewusstsein, die Geschwindigkeitsregulierung und die Arbeitsbelastung**  
Frederik Schewe & Mark Vollrath  
Technische Universität Braunschweig, Institut für Psychologie, Ingenieur- und Verkehrspsychologie
- 11:15 **Untersuchung expliziter und impliziter Kommunikationsformen zwischen Fußgängern und automatisierten Fahrzeugen**  
Claudia Witzlack, Luka-Franziska Bluhm, Sarah Schubert, Matthias Beggiato & Josef F. Krems  
TU Chemnitz, Institut für Psychologie

Talk session

## **Dual task performance: Attention**

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- 01/0110** Sabine Schäfer
- 10:30 **The Binding of auditory Attention Switches and Task Switches**  
Julia C Seibold, Sophie Nolden, Josefa Oberem, Janina Fels & Iring Koch  
RWTH Aachen University
- 10:45 **Cognitive control in multimodal attention shifting - Electrophysiological and behavioral evidence**  
Sophie Nolden, Sophia von Salm & Iring Koch  
RWTH Aachen University, Cognitive and Experimental Psychology

- 11:00 **Cognitive load influences performance, speech and physiological parameters in a multimodal dual-task setting**  
 Maria Wirzberger<sup>1</sup>, Robert Herms<sup>2</sup>, Shirin Esmaeili Bijarsari<sup>1</sup>, Günter Daniel Rey<sup>1</sup> & Maximilian Eibl<sup>2</sup>  
<sup>1</sup>TU Chemnitz, Psychology of Learning with Digital Media; <sup>2</sup>TU Chemnitz, Media Informatics
- 11:15 **Expertise in a demanding cognitive-motor dual-task situation: Performance advantages of table tennis experts compared to novices**  
 Sabine Schäfer  
 Saarland University, Institute of Sports Sciences
- 11:30 **Learning a Visuomotor Rotation in a Dual Task Paradigm**  
 Lisa-Marie Langsdorf<sup>1</sup>, Frederic Goehringer<sup>2</sup>, Raphael Schween<sup>1</sup>, Sven-Soeren Schwippert<sup>1</sup>, Mathias Hegele<sup>1</sup> & Thomas Schenk<sup>2</sup>  
<sup>1</sup>Justus-Liebig-University, Neuromotor Behavior Lab, Department of Psychology and Sport Science; <sup>2</sup>Ludwig-Maximilians-University, Clinical Neuropsychology, Department of Psychology
- 11:45 **Gender differences in multitasking**  
 Patricia Hirsch<sup>1</sup>, Iring Koch<sup>1</sup> & Julia Karbach<sup>2</sup>  
<sup>1</sup>RWTH Aachen University, Cognitive and Experimental Psychology; <sup>2</sup>University of Koblenz Landau, Developmental and Educational Psychology

Talk session

## **Social interaction**

**01/0120**

Michael Niedeggen

- 10:30 **Paying to seek or avoid social interactions**  
 Johannes Schultz, Tom Willems, Ghada Chakkour, Alexander Franke & René Hurlmann  
 University of Bonn, Division of Medical Psychology
- 10:45 **Does Peer Observation Specifically Increase Mid-Adolescents Risky Decisions?**  
 Corinna Lorenz & Jutta Kray  
 Universität des Saarlandes, Psychologie
- 11:00 **Negotiations by proxy are influenced by the client's identity**  
 Janna Katrin Ruessmann & Sascha Topolinski  
 University of Cologne, Social Cognition Center Cologne
- 11:15 **Expectancy for social participation: ERP correlates of a recalibration process**  
 Michael Niedeggen<sup>1</sup> & Kerschreiter Rudolf<sup>2</sup>  
<sup>1</sup>FU Berlin, Experimental Psychology and Neuropsychology; <sup>2</sup>FU Berlin, Social, Organizational and Economic Psychology
- 11:30 **Social influence can lead to a persistent perceptual bias**  
 Markus Germar  
 University of Hildesheim, Institute of Psychology

Talks, Tuesday, 10:30 - 12:00

- 11:45      **Collaborative Spatial Search within Walkable Virtual Environments – the Influence of Global Reference Information**  
Maxine Hanrieder, Katja Kaiser, Adamantini Hatzipanayioti, Betty Mohler & Tobias Meilinger  
Max Planck Institute for Biological Cybernetics, Department of Human Cognition, Perception and Action
- 12:00      **The influence of competence expectations on nonverbal behavior of learners**  
Marcel Hackbart & Barbara Thies  
Technische Universität Braunschweig, Institute of Educational Psychology

Symposium

### **Experimental approaches to language learning**

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- 02/0090** Kristin Lemhöfer & Eva Belke
- 10:30      **The acquisition of labels for auditory objects: An ERP study**  
Samuel H Cospers<sup>1</sup>, Claudia Männel<sup>2</sup> & Jutta L Mueller<sup>1</sup>  
<sup>1</sup>Osnabrück University, Institute of Cognitive Science; <sup>2</sup>Max Planck Institute for Human Cognitive and Brain Sciences; University Leipzig, Medical Faculty
- 10:45      **The development of eye-movements when learning to read in a new orthography**  
Sascha Schroeder, Simon P. Tiffin-Richards & Katharina Pittrich  
Max Planck Institute for Human Development MPRG REaD (Reading Education and Development)
- 11:00      **Statistical and orthographical influences on handwriting in German**  
Jessica Ernst & Eva Belke  
Ruhr-Universität Bochum, Sprachwissenschaftliches Institut
- 11:15      **Neural correlates of incidental L2 auditory word learning**  
Kristin Lemhöfer, Julia Egger & James McQueen  
Radboud University Donders Institute for Brain, Cognition and Behavior
- 11:30      **Articulatory information helps encode lexical contrasts in a second language**  
Miquel Llompart & Eva Reinisch  
Ludwig-Maximilians-University Munich, Institute of Phonetics and Speech Processing
- 11:45      **L1 and L2 distance effects in learning L3 Dutch**  
Job Johannes Schepens  
Freie Universität Berlin



## Posters, Tuesday, 15:00 - 17:00

### Decision making

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- T-1-1 **Information use in intertemporal choice: Visual feedback alleviates melioration**  
Felix Gaisbauer & Hansjörg Neth  
Universität Konstanz, Department of Psychology
- T-1-2 **Rejecting regularity: Giving up pattern search in number sequences – individual differences and tentative processes**  
Nico Gradwohl<sup>1</sup> & Hansjörg Neth<sup>2</sup>  
<sup>1</sup>University of Konstanz, Graduate School of Decision Sciences, Psychology; <sup>2</sup>University of Konstanz, Social Psychology and Decision Sciences
- T-1-3 **The influence of sequential structure and temporal effect predictability on dual-task interference**  
Monno Irina<sup>1</sup>, Fang Zhao<sup>2</sup>, Robert Gaschler<sup>3</sup> & Thomaschke Roland<sup>1</sup>  
<sup>1</sup>Albert-Ludwigs-Universität Freiburg, Institut für Psychologie Allgemeine Psychologie: Cognition, Action, and Sustainability; <sup>2</sup>FernUniversität in Hagen, Institut für Psychologie, LG Allgemeine Psychologie, LME; <sup>3</sup>FernUniversität in Hagen, Institut für Psychologie, LG Allgemeine Psychologie LME
- T-1-4 **Considering sustainability in buying decisions: The role of altruism and materialism**  
Jennifer Janeczko<sup>1</sup>, Gerrit Stöckigt<sup>1</sup> & Matthias Brand<sup>2</sup>  
<sup>1</sup>University of Duisburg-Essen, Department of General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR); <sup>2</sup>General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR) Erwin L. Hahn Institute for Magnetic Resonance Imaging
- T-1-5 **“Sad, thus true” or “too good to be true”? Separating negativity and positivity biases in judgments of truth**  
Lena Nadarevic  
Universität Mannheim
- T-1-6 **Rule-based strategies and integration of cues in unsupervised judgement**  
Tjasa Omerzu<sup>1</sup>, Maarten Speekenbrink<sup>2</sup> & Janina Anna Hoffmann<sup>3</sup>  
<sup>1</sup>University of Konstanz, Graduate School of Decision Sciences; <sup>2</sup>University College London, Department of Experimental Psychology, Division of Psychology and Language Sciences; <sup>3</sup>University of Konstanz, Department of Psychology
- T-1-7 **Information Search in Every-Day Decisions: The Generalizability of the Attraction Search Effect**  
Sophie Elisabeth Scharf, Arndt Bröder & Monika Wiegelmann  
University of Mannheim, Department of Psychology
- T-1-8 **Validating the Attractor Dynamics Approach to Delay Discounting**  
Ulrike Senftleben, Martin Schoemann & Stefan Scherbaum  
Technische Universität Dresden, Department of Psychology

- T-1-9      **How graphical representation improves probability weighting in risky choice**  
Kevin Tiede<sup>1</sup>, Felix Henninger<sup>2</sup> & Benjamin E. Hilbig<sup>2</sup>  
<sup>1</sup>University of Konstanz, Department of Psychology; <sup>2</sup>University of Koblenz-Landau
- T-1-10     **The diffusion model can be used to analyse slow response time tasks**  
Mischa von Krause, Veronika Lerche, Gidon Frischkorn, Anna-Lena Schubert & Andreas Voss  
University of Heidelberg, Psychologisches Institut

## Language

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- T-1-11     **The role of sensorimotor experience in the formation of novel word meanings**  
Laura Bechtold<sup>1</sup>, Marta Ghio<sup>1</sup>, Gerald Antoch<sup>2</sup>, Bernd Turowski<sup>2</sup>, Hans-Jörg Wittsack<sup>2</sup>, Marco Tettamanti<sup>3</sup> & Christian Bellebaum<sup>1</sup>  
<sup>1</sup>Heinrich Heine University, Biological Psychology; <sup>2</sup>Heinrich-Heine-University, Diagnostic and Interventional Radiology; <sup>3</sup>IRCCS San Raffaele Scientific Institute, Nuclear Medicine and Division of Neuroscience
- T-1-12     **Green as a cbemcuru: visual color cues can help to solve anagrams**  
Eduard Berndt, Carolin Dudschig & Barbara Kaup  
University of Tübingen, Department of Psychology
- T-1-13     **Age-related differences in gesture perception and production**  
Jutta Billino<sup>1</sup>, Miriam Steines<sup>2</sup>, Arne Nagels<sup>3</sup>, Tilo Kircher<sup>2</sup> & Benjamin Straube<sup>2</sup>  
<sup>1</sup>Allgemeine Psychologie, Justus-Liebig-Universität Gießen; <sup>2</sup>Psychiatrie und Psychotherapie, Philipps-Universität Marburg; <sup>3</sup>Allgemeine und Vergleichende Sprachwissenschaft, Johannes Gutenberg-Universität Mainz
- T-1-14     **Morphosyntactic processing in a masked priming paradigm**  
Johannes Bommers<sup>1</sup>, Ulrich Ansorge<sup>2</sup> & Maximilian Stein<sup>3</sup>  
<sup>1</sup>Georg August University Goettingen; <sup>2</sup>University of Vienna, Faculty of Psychology; <sup>3</sup>Georg August University Goettingen, Department of Experimental Psychology
- T-1-15     **Inability to decode predictable semantic categories from EEG during silent pauses in spoken language**  
Edvard Aslak Heikel, Jona Sassenhagen & Christian J. Fiebach  
Goethe University of Frankfurt
- T-1-16     **On putting 'cap to pen' or 'pen to cap': A cross-linguistic comparison of motion expressions, and gaze and memory behaviors in German and Korean speakers**  
Alexandra Kroiss  
University of Vienna, Department of Linguistics
- T-1-17     **The effect of event photographs on second-language learning of Vietnamese collocations**  
Huong Thi Thu Nguyen, Katja Münster, Carsten Schlieuwe & Pia Knoeferle  
Humboldt University of Berlin, Department of German Language and Linguistics
- T-1-18     **The resolution of complex anaphors**  
Till Pachalli, Jessica Strozzyk, Carolin Dudschig & Barbara Kaup  
University of Tübingen, Department of Psychology

- T-1-19 **Is negation used to predict upcoming referents in a visual world paradigm?**  
 Franziska Rück<sup>1</sup>, Hartmut Leuthold<sup>2</sup>, Carolin Dudschig<sup>1</sup> & Barbara Kaup<sup>1</sup>  
<sup>1</sup>University Tübingen, Language & Cognition; <sup>2</sup>University Tübingen, Biological Psychology
- T-1-20 **How embodied is action verb processing? Exploring the limits of effector-specific compatibility effects**  
 Jessica Strozyk, Daniela Ahlberg, Jana Hoffstadt, Franziska Lepp & Barbara Kaup  
 University of Tübingen
- T-1-21 **Testing boosts grammar acquisition: Insights from the learning of Latin morphosyntax**  
 Katharina Wendebourg<sup>1</sup>, Birgit Öttl<sup>2</sup>, Eduard Berndt<sup>1</sup> & Barbara Kaup<sup>1</sup>  
<sup>1</sup>Tübingen University; <sup>2</sup>HU Berlin

## Perception II

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- T-1-22 **Investigating the temporal dynamics of object-scene integration using MVPA: The role of the N300/N400 complex in object perception**  
 Dejan Draschkow, Edvard Aslak Heikel, Melissa L.-H. Vö, Christian J Fiebach & Jona Sassenhagen  
 Goethe University Frankfurt
- T-1-23 **Seeing or hearing? – The influence of music and spatial surrounding on perceived atmosphere**  
 Sonja Ehret, Carolin Schroeder & Roland Thomaschke  
 University of Freiburg, Department of Psychology
- T-1-24 **Active tactile search strategies improve localization of touch**  
 Xaver Fuchs & Tobias Heed  
 Bielefeld University, Faculty of Psychology & Sports Science
- T-1-25 **Emotion-Evoked Central-Peripheral Trade-off Effects: Sensory gating and recall**  
 Lana Husagic & Arianne Herrera-Bennett  
 Ludwig Maximilian University, Psychology
- T-1-26 **Is there a SMARC effect for tones “without” different pitch height?**  
 Stephanie Malek & Torsten Schubert  
 Martin Luther University Halle-Wittenberg, Psychology Department
- T-1-27 **Face adaptation aftereffects on local information**  
 Ronja Mueller<sup>1</sup>, Sandra Utz<sup>2</sup>, Claus-Christian Carbon<sup>2</sup> & Tilo Strobach<sup>1</sup>  
<sup>1</sup>Medical School Hamburg, Department of Psychology; <sup>2</sup>University of Bamberg, Department of Psychology
- T-1-28 **Haptic feedback improves number magnitude estimation**  
 Jennifer Müller<sup>1</sup>, Uwe Oestermeier<sup>2</sup>, Korbinian Moeller<sup>3</sup> & Peter Gerjets<sup>4</sup>  
<sup>1</sup>Eberhard Karls University of Tübingen, LEAD Graduate School & Research Network;  
<sup>2</sup>Leibniz-Institut für Wissensmedien, Software Development Department; <sup>3</sup>Leibniz-Institut für Wissensmedien, Neuro-cognitive Plasticity Lab; <sup>4</sup>Leibniz-Institut für Wissensmedien, Multimodal Interaction Lab

- T-1-29      **Distinguishing Gloss from Textured Matte Materials**  
Konrad Eugen Prokott<sup>1</sup>, Hideki Tamura<sup>2</sup> & Roland W. Fleming<sup>1</sup>  
<sup>1</sup>Justus-Liebig-Universität, Fachbereich 06 Psychologie und Sportwissenschaften;  
<sup>2</sup>Toyohashi University of Technology, Department of Computer Science and Engineering
- T-1-30      **The Vertical Dimension and Viewing Angle in the Perception of Artworks and Faces**  
Lars-Michael Schöpper<sup>1</sup> & Helmut Leder<sup>2</sup>  
<sup>1</sup>University of Trier, Department of Psychology; <sup>2</sup>University of Vienna, Department of Basic Psychological Research and Research Methods
- T-1-31      **The true size of a familiar object influences 12-month-old infants' visual preferences**  
Özlem Sensoy<sup>1</sup>, Jody C Culham<sup>2</sup> & Gudrun Schwarzer<sup>1</sup>  
<sup>1</sup>Justus-Liebig University, Department of Developmental Psychology; <sup>2</sup>Western University, Brain and Mind Institute, Department of Psychology
- T-1-32      **Multitasking of Young and Older Adults in Ecologically Valid Scenarios – Virtual Car Driving**  
Konstantin Wechsler<sup>1</sup>, Christin Janouch<sup>2</sup>, Uwe Drescher<sup>1</sup>, Mathias Haeger<sup>1</sup>, Otmar Bock<sup>1</sup> & Claudia Voelcker-Rehage<sup>2</sup>  
<sup>1</sup>German Sport University Cologne, Physiology and Anatomy; <sup>2</sup>Chemnitz University of Technology, Institute of Human Movement Science and Health
- T-1-33      **A systematic comparison of the performance with different fingers in softness discrimination**  
Aaron Cedric Zöller & Knut Drewing  
Justus-Liebig-Universität, Allgemeine Psychologie

## Attention I

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- T-2-1      **Investigating neurophysiological correlates of joint action**  
Hossein Abbasi, Dominik Dötsch & Anna Schubö  
Philipps-Universität Marburg, Psychology department
- T-2-2      **Lateralized alpha-power indicates selective forgetting in a retro-cuing paradigm**  
Anna Barth<sup>1</sup>, Edmund Wascher<sup>1</sup>, Clayton Hickey<sup>2</sup> & Daniel Schneider<sup>1</sup>  
<sup>1</sup>Leibniz Institut für Arbeitsforschung an der TU Dortmund (IfADo), Ergonomie; <sup>2</sup>Center for Mind/Brain Sciences (CiMeC), University of Trento
- T-2-3      **Introspection about RTs in cued task switching**  
Daniel Bratzke & Donna Bryce  
Universität Tübingen, Fachbereich Psychologie
- T-2-4      **Judging the mood of the crowd: Attention is focused on happy faces**  
Alica Bucher & Andreas Voss  
Heidelberg University
- T-2-5      **Directly Comparing the Effects of Reward Prospect and Reward Reception on Conflict Adaptation**  
Rebecca Calcott & Gesine Dreisbach  
University of Regensburg, Psychology

- T-2-6      **Switching between two modalities under fatigue**  
Árpád Csathó<sup>1</sup>, András Matuz<sup>1</sup>, Orsolya Simon<sup>1</sup> & István Hernádi<sup>2</sup>  
<sup>1</sup>University of Pécs, Institute of Behavioral Sciences; <sup>2</sup>University of Pécs, Department of Experimental Neurobiology
- T-2-7      **COGNITION AND INHIBITORY PROCESSES IN INTERNET ADDICTION: STROOP-RELATED FMRI STUDY**  
Gergely Darnai, Beatrix Lábadi, András Norbert Zsidó, Orsolya Inhof, Gergely Orsi, Gabor Perlaki, Szilvia Nagy & Jozsef Janszky  
University of Pecs, Department of General and Evolutionary Psychology
- T-2-8      **Capacity limitations of dishonesty**  
Anna Foerster, Robert Wirth, Wilfried Kunde & Roland Pfister  
University of Würzburg, Department of Psychology III
- T-2-9      **Utility dependent processing of distractor information and reduction of distractor interference over time**  
Imke Marilla Gillich<sup>1</sup>, Mike Wendt<sup>2</sup> & Thomas Jacobsen<sup>1</sup>  
<sup>1</sup>Helmut Schmidt University/University of the Federal Armed Forces Hamburg; <sup>2</sup>Medical School Hamburg
- T-2-10     **The influence of task relevance in a dual task situation**  
Clara Hellweg & Christina Bermeitinger  
Universität Hildesheim, Institut für Psychologie
- T-2-11     **The effect of auditory stimuli in visual search task**  
Orsolya Inhof, András Norbert Zsidó, Gergely Darnai, Beatrix Lábadi & György Révész  
University of Pécs
- T-2-12     **Near-hand effect revisited: Potential of Virtual Reality (VR) to study psychological processes**  
Martin Lachmair, Christian Scharinger & Peter Gerjets  
Leibniz-Institut für Wissensmedien Tübingen
- T-2-13     **You get what you (unconsciously) see: Der Einfluss von Farbpriming auf Aufmerksamkeit, Verarbeitungszeit und Gedächtnisleistung**  
Sarah Leinberger & Thomas Bäumer  
Hochschule für Technik Stuttgart, Wirtschaftspsychologie
- T-2-14     **Lack of sleep hampers cognitive control: reduced proactive control after sleep restriction**  
Simon Liegl, Lucas Haraped, Pierre Sachse & Thomas Maran  
University of Innsbruck, General and Experimental Psychology
- T-2-15     **Distractor-induced Deafness**  
Lars Michael & Maria Robaina Fernández  
Medical School Berlin, Department Psychology
- T-2-16     **Visual mismatch negativity under inattention blindness in a roving oddball paradigm**  
Insa Schloßmacher, Maximilian Bruchmann & Thomas Straube  
University of Münster, Institute of Medical Psychology and Systems Neuroscience

- T-2-17      **The impact of hypertext presentation on readers' attention and text comprehension**  
Torsten Schubert<sup>1</sup>, Teresa Ronja Schurer<sup>2</sup> & Bertram Opitz<sup>2</sup>  
<sup>1</sup>Martin-Luther-Universität Halle-Wittenberg, Institut für Psychologie; <sup>2</sup>Martin-Luther-Universität Halle-Wittenberg, Zentrum für multimediales Lehren und Lernen
- T-2-18      **Temporal preparation reduces stimulus conflict beyond an effect on spatial attention**  
Verena Carola Seibold & Bettina Rolke  
Eberhard Karls University Tübingen, Department of Psychology
- T-2-19      **Attentional effects on subliminal and supraliminal face priming as a function of affective and gender congruency**  
Eun-Jin Sim, Marcel Harpaintner & Markus Kiefer  
University of Ulm, Department of Psychiatry
- T-2-20      **Thinking about what to think – The role of meta-cognition in the adjustment of task-unrelated thoughts**  
Lena Steindorf & Jan Rummel  
Heidelberg University, Department of Psychology
- T-2-21      **Event-related potentials in the PRP paradigm: a comparison between young and low, intermediate, and high performing older adults**  
Sven Thönes, Michael Falkenstein & Patrick Darius Gajewski  
Leibniz Research Centre for Working Environment and Human Factors, Ergonomics Department
- T-2-22      **Examining the mechanisms underlying the item-specific proportion congruent effect using the process dissociation procedure**  
Anne Voormann, Kerstin Dittrich, Nadine Schimpf & Karl Christoph Klauer  
Albert-Ludwigs-Universität Freiburg, Sozialpsychologie und Methodenlehre
- T-2-23      **Effect of single administration of nicotine on pupil size and divided visual attention in non-nicotine users**  
Intan K. Wardhani<sup>1</sup>, Sebastiaan Mathôt<sup>2</sup> & Bruno Laeng<sup>1</sup>  
<sup>1</sup>University of Oslo; <sup>2</sup>University of Groningen

## Methods

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- T-2-24      **"Entschuldigen Sie, dass ich Ihnen einen komplizierten Artikel schreibe; für einen lesbaren habe ich keine Zeit"**  
Meik Michalke  
Heinrich-Heine-Universität, Abteilung für Diagnostik und Differentielle Psychologie
- T-2-25      **banto - a free participant recruitment and booking system**  
Stephan de la Rosa  
Department of Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics
- T-2-26      **Recovering Rasch Model Parameters when the True Latent Traits are not Normally Distributed: Comparison of Bayesian and Likelihood-Based Approaches**  
Raphael Hartmann  
Albert-Ludwigs-Universität Freiburg, Department of Psychology

- T-2-27     **lab.js: A free, open, online experiment builder**  
Felix Henninger<sup>1</sup>, Ulf K. Mertens<sup>2</sup>, Yury Shevchenko<sup>3</sup>, Pascal J. Kieslich<sup>3</sup> & Benjamin E. Hilbig<sup>1</sup>  
<sup>1</sup>University of Koblenz-Landau, Cognitive Psychology Lab; <sup>2</sup>University of Heidelberg, Psychological Methods; <sup>3</sup>University of Mannheim, Chair of Experimental Psychology
- T-2-28     **P-distribution: Optimizing the inferential value of p-values via resampling techniques**  
Arianne Herrera-Bennett & Moritz Heene  
Ludwig-Maximilians-Universitaet, Psychology in the Learning Sciences
- T-2-29     **ABrox - a graphical user interface for approximate Bayesian computation**  
Ulf Mertens, Andreas Voss & Stefan Radev  
Heidelberg University, Quantitative Research Methods
- T-2-30     **Base Rate Task: Not a Measure of Logical Processing**  
Danielle Pessach & Karl Christoph Klauer  
Albert-Ludwigs-Universität Freiburg, Psychologisches Institut
- T-2-31     **Validate mouse tracking: How design factors influence action dynamics in intertemporal decision making**  
Martin Schoemann<sup>1</sup>, Malte Lüken<sup>1</sup>, Tobias Grage<sup>1</sup>, Pascal J. Kieslich<sup>2</sup> & Stefan Scherbaum<sup>1</sup>  
<sup>1</sup>Technische Universität Dresden, Department of Psychology; <sup>2</sup>University of Mannheim, Department of Psychology
- T-2-32     **Unconscious processing of numbers: How important is the response format?**  
Iris Zerweck, Sascha Meyen, Florian Friedrich, Klara J. Grethen & Volker H. Franz  
University of Tübingen, Experimental Cognitive Science

## Talks, Tuesday, 17:00 - 18:30

Symposium

### Pupillometry

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00/0020

Christoph Strauch, Ferdinand Pittino & Lukas Greiter

17:00

#### **Tracking awareness in binocular rivalry using induced pupil fluctuations**

Wolfgang Einhäuser & Immo Schütz

Chemnitz University of Technology, Institute of Physics - Physics of Cognition Group

17:15

#### **Pupil Dilation as an Indicator of Selection-Decision**

Lukas Greiter, Christoph Strauch & Anke Huckauf

Ulm University, Department of General Psychology

17:30

#### **Robustness of Pupil Dilation and Microsaccadic Rate in the Context of Selection-Decision**

Christoph Strauch, Lukas Greiter & Anke Huckauf

Ulm University, General Psychology

17:45

#### **Does pupil size influence subjective brightness perception?**

Sebastiaan Mathôt<sup>1</sup> & Intan Wardhani<sup>2</sup>

<sup>1</sup>University of Groningen, Department of Experimental Psychology; <sup>2</sup>University of Groningen, Department of Experimental Psychology; The Netherlands University of Oslo, Department of Psychology

18:00

#### **How sequential changes in reward expectation modulate cognitive control: pupillometry as a tool to monitor dynamic changes in reward expectation**

Kerstin Fröber<sup>1</sup>, Ferdinand Pittino<sup>2</sup> & Gesine Dreisbach<sup>1</sup>

<sup>1</sup>University of Regensburg, Experimental Psychology; <sup>2</sup>University of Ulm, Experimental Psychology

18:15

#### **Sensitivity of pupil dilation and EEG alpha frequency band power for working memory load in n-back and span working memory tasks**

Christian Scharinger<sup>1</sup>, Alexander Soutschek<sup>2</sup>, Torsten Schubert<sup>3</sup> & Peter Gerjets<sup>4</sup>

<sup>1</sup>Leibniz-Institut für Wissensmedien Tübingen; <sup>2</sup>Laboratory for Social and Neural Systems Research, University of Zurich; <sup>3</sup>Department of Psychology, Martin-Luther-Universität Halle-Wittenberg; <sup>4</sup>Leibniz-Institut für Wissensmedien Tübingen; Department of Psychology, Eberhard-Karls-Universität Tübingen

Symposium

### Affect and action control

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00/0030

Rico Fischer & Henk van Steenbergen

17:00

#### **The influence of affect on flexibility and stability in self-organized multitasking**

David Dignath

University Freiburg



- 17:15 **Arousal drives adaptation to conflict: Transcutaneous vagus nerve stimulation (tVNS) enhances conflict-triggered adjustment of cognitive control**  
Rico Fischer<sup>1</sup>, Carlos Ventura-Bort<sup>2</sup>, Alfons Hamm<sup>1</sup> & Mathias Weymar<sup>2</sup>  
<sup>1</sup>University of Greifswald; <sup>2</sup>University of Potsdam
- 17:30 **Stick to your goals! The influence of current action goals on affective responses increases after stress**  
Julia Kozlik<sup>1</sup>, Roland Neumann<sup>2</sup>, Franziska Plessow<sup>3</sup> & Rico Fischer<sup>1</sup>  
<sup>1</sup>University of Greifswald, Psychological Institute; <sup>2</sup>University of Trier, Psychological Institute; <sup>3</sup>Harvard Medical School, Neuroendocrine Unit
- 17:45 **We prefer what foretells over what can be foretold: On the affective value of predictive coding**  
Sabrina Trapp<sup>1</sup>, Judith Goris<sup>2</sup>, Pieter Van Dessel<sup>3</sup>, Eliane Deschrijver<sup>2</sup>, Roeljan Wiersema<sup>3</sup>, Marcel Brass<sup>2</sup> & Senne Braem<sup>2</sup>  
<sup>1</sup>Department of Cognitive Psychology, Universität Hamburg; <sup>2</sup>Department of Experimental Psychology, Ghent University; <sup>3</sup>Department of Experimental Clinical and Health Psychology, Ghent University
- 18:00 **Situation Modification in Conflict Tasks**  
Constantin Schmidts  
Julius Maximilians Universität, Department of Psychology
- 18:15 **The affective nature of errors and its neurochemical modulation**  
Henk van Steenbergen  
Institute of Psychology - Leiden University Leiden Institute for Brain and Cognition (IIBC)  
Affect, Motivation & Action (AMA) lab

#### Symposium

### **When social meets spatial cognition: from perspective taking to multiple reference frames (and back)**

00/0070

Pamela Baess

- 17:00 **Seeing the world through the eyes of an avatar**  
Jochen Müsseler & Christian Böffel  
RWTH Aachen University, Work and Cognitive Psychology
- 17:15 **Embodied simulations guide the alignment of reference frames in visuo-spatial and psychological perspective-taking**  
Thorsten Michael Erle  
University of Würzburg
- 17:30 **Simon and his friends: Evidence for multiple reference frames**  
Pamela Baess & Christina Bermeitinger  
University of Hildesheim, Institute of Psychology
- 17:45 **Spatial compatibility effects in whole-body movements: expertise and movement specificity?**  
Dirk Koester, Christoph Schütz & Thomas Schack  
Bielefeld University/CITEC

Talks, Tuesday, 17:00 - 18:30

18:00 **Multiple levels of representation for a navigable, clustered space**

Marianne Strickrodt & Tobias Meilinger  
Max Planck Institute for Biological Cybernetics

Symposium

## **Evaluative Conditioning in Context**

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**01/0010**

Max Ihmels & Mandy Hütter

17:00 **Evaluative Blocking in EC**

Hans Alves, Fabia Högden, Anne Gast & Christian Unkelbach  
University of Cologne

17:15 **Assimilation and Contrast in Evaluative Conditioning and Moral Judgments - An Ecological Perspective**

Anne Gast<sup>1</sup>, Fabia Högden<sup>1</sup>, Christian Unkelbach<sup>1</sup>, Adam Galinsky<sup>2</sup> & Joris Lammers<sup>1</sup>  
<sup>1</sup>University of Cologne; <sup>2</sup>University of Columbia

17:30 **Dissociating Intentional and Unintentional Learning Effects in Evaluative Conditioning**

Niels Kukken & Mandy Hütter  
Eberhard Karls Universität Tübingen

17:45 **A Sampling Approach to Evaluative Conditioning**

Max Ihmels & Mandy Hütter  
Eberhard Karls Universität Tübingen

18:00 **Cue value discriminability moderates learning and generalization in evaluative cue conditioning**

Mandy Hütter & Katharina Theresa Berger  
Eberhard Karls Universität Tübingen

18:15 **Psychopathic Meanness Predicts the Positive Expression, not the Acquisition, of Evaluative Responses in the Evaluative conditioning Paradigm**

Olivier Corneille<sup>1</sup>, Adrien Mierop<sup>1</sup>, Catia Teixeira<sup>2</sup> & Pedro Almeida<sup>3</sup>  
<sup>1</sup>Catholic University Louvain; <sup>2</sup>University of Groningen; <sup>3</sup>University of Porto

Symposium

## **Metacognition**

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**01/0020**

Monika Undorf & Beatrice G. Kuhlmann

17:00 **Beliefs versus Fluency? Comparison of the Mechanisms Underlying the Perceptual Fluency Finding through Object Images**

Miri Besken  
Bilkent University, Psychology Department

17:15 **Task Complexity Promotes Contributions of Processing Fluency to Judgments of Learning**

Monika Undorf  
University of Mannheim, Department of Psychology

- 17:30 **Reliance on Schemas in Metamemory Predictions: Differences between Judgments of Learning and Judgments of Source**  
 Marie Luisa Schaper<sup>1</sup>, Beatrice G. Kuhlmann<sup>2</sup> & Ute J. Bayen<sup>1</sup>  
<sup>1</sup>Heinrich-Heine-Universität Düsseldorf, Institut für Experimentelle Psychologie, Mathematische und Kognitive Psychologie; <sup>2</sup>Universität Mannheim, Fachbereich Psychologie, Kognitive und Differentielle Psychologie
- 17:45 **Confidence Judgements and Decentering in Patients with Major Depression**  
 Barbara Druke  
 University Hospital of the RWTH Aachen University, Institute of Medical Psychology and Medical Sociology
- 18:00 **Do older and younger adults weigh the same bases in the same manner to produce accurate metacognitive judgments?**  
 Eftychia Volz-Sidiropoulou & Siegfried Gauggel  
 RWTH Aachen Medical Faculty, Institute of medical psychology
- 18:15 **Age-Related Differences in Metacognitive Monitoring and Control When Preparing for Recall**  
 Beatrice G. Kuhlmann  
 University of Mannheim

Talk session

## Human Factors

01/0030

Anna Katharina Trapp

- 17:00 **User-adaptive human-machine interfaces: temporal sensitivity of electrodermal parameters**  
 Elena Wolf & Barbara Deml  
 Karlsruhe Institute of Technology (KIT), Institute of Human and Industrial Engineering (ifab)
- 17:15 **How to find the right app: effects of color-coded categories on visual search on smartphones**  
 Anna Katharina Trapp<sup>1</sup>, Niklas von Kalckreuth<sup>2</sup>, Johanna Reibke<sup>2</sup> & Carolin Wienrich<sup>3</sup>  
<sup>1</sup>Technische Universität Berlin, Cognitive Psychology and Cognitive Ergonomics; <sup>2</sup>Technische Universität Berlin; <sup>3</sup>Julius-Maximilians-Universität Würzburg, Arbeitsgruppe Mensch-Technik-Systeme
- 17:30 **Gaze behavior as an indicator for user competence and state in human-technology interaction**  
 Christiane Attig & Josef F. Krems  
 Chemnitz University of Technology, Department of Psychology (Cognitive and Engineering Psychology)
- 17:45 **Matching virtual workplaces with cognitive styles: Exposing users with different cognitive styles to data models of alternative complexity**  
 Ivana Kovacevic<sup>1</sup> & Dusan Vujosevic<sup>2</sup>  
<sup>1</sup>Belgrade University, Faculty of Organizational Sciences, Department of Human Resource Management (and Social Sciences); <sup>2</sup>Union University, Faculty of computer science

Talks, Tuesday, 17:00 - 18:30

- 18:00      **Disentangling effects of mental workload and visual stimulus properties on pupil size**  
Fabian Ries, Elena Wolf, Philipp Olschowski, Markus Döllken & Barbara Deml  
Karlsruhe Institute of Technology (KIT), Institute of Human and Industrial Engineering (ifab)
- 18:15      **Unterschiedliche Verfahrnung zur Messung von Workload am Arbeitsplatz: Ein Methodenvergleich**  
Sebastian Mach, Jan Philipp Gründling, Franziska Schmalfuß & Josef F. Krems  
Chemnitz University of Technology, Professorship of Cognitive and Engineering Psychology

Symposium

## **Music psychology**

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**01/0110**

Christian Kaernbach

- 17:00      **The fine structure in absolute hearing threshold and in frequency discrimination**  
Niels Röhrdanz & Christian Kaernbach  
Institut für Psychologie, CAU Kiel
- 17:15      **Partial tritone substitution: More consonance by stream segregation?**  
Lutz von der Burchard & Christian Kaernbach  
Christian-Albrechts-Universität zu Kiel, Institut für Psychologie
- 17:30      **Does spectrum affect the implicit learning of an artificial musical grammar?**  
Joshua Lorenzen  
Christian-Albrechts-Universität zu Kiel, Institut für Psychologie
- 17:45      **The effect of valence, speed and rhythm of sound on distance estimation**  
Martin Reuschenbach<sup>1</sup> & Julia Bastian<sup>2</sup>  
<sup>1</sup>University Trier, Institute of Psychology; <sup>2</sup>University of Trier, Institute of Psychology
- 18:00      **Replication and Validation of an experimental paradigm of measuring open-earedness**  
Isabell Bötsch<sup>1</sup> & Richard von Georgi<sup>2</sup>  
<sup>1</sup>University of Technology Braunschweig; <sup>2</sup>SHR Hochschule der populären Künste

Talk session

## **Attitudes**

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**01/0120**

Tina Glaser

- 17:00      **Assessing the nature of ambivalent attitudes: Can positive and negative valence be activated simultaneously?**  
Katharina Theresa Berger<sup>1</sup>, Mandy Hütter<sup>1</sup> & Olivier Corneille<sup>2</sup>  
<sup>1</sup>Eberhard Karls Universität Tübingen; <sup>2</sup>Université catholique de Louvain
- 17:15      **Hierarchy as a moderator of lateral attitude change: Values and policies**  
Roman Linne  
Universität Bielefeld, Department of Psychology

- 17:30 **Moderators of lateral attitude change**  
Tina Glaser, Katrin Pum, Roman Linne, Lea Elleringmann & Gerd Bohner  
University of Bielefeld, Department of Psychology
- 17:45 **The link between social categorization and prejudice: A matter of the situationally activated mental contents?**  
Manuel Becker<sup>1</sup>, Sarah Teige-Mocigemba<sup>2</sup>, Jeffrey W. Sherman<sup>3</sup> & Karl Christoph Klauer<sup>1</sup>  
<sup>1</sup>Albert-Ludwigs-Universität Freiburg, Institut für Psychologie, Abteilung für Sozialpsychologie und Methodenlehre; <sup>2</sup>Philipps-Universität Marburg, Fachbereich Psychologie, AG Persönlichkeit und Diagnostik; <sup>3</sup>University of California, Davis, Department of Psychology, Social Cognition Lab
- 18:00 **Intuition and Rationality – (Dis-)Fluency in Economic Trust Games**  
Michael Zürn  
University of Cologne, Social and Economic Cognition II

Talk session

## Language

02/0090

Simone Sprenger

- 17:00 **Low complexity of syllables drives preference effects for words**  
Ira Maschmann  
University of Cologne, Department Psychology, Social Cognition Center Cologne
- 17:15 **Explicit and implicit modality switching in a naming task**  
Carla Contreras Saavedra, Andrea Philipp & Iring Koch  
RWTH Aachen University, Department of Cognitive and Experimental Psychology
- 17:30 **Pragmatic Processing: An Experimental Investigation of Presuppositions Triggered By Definite Articles**  
Cosima Schneider<sup>1</sup>, Michael Franke<sup>2</sup>, Carolin Schonard<sup>3</sup>, Gerhard Jäger<sup>2</sup> & Markus Janczyk<sup>1</sup>  
<sup>1</sup>University of Tübingen, Department of Psychology; <sup>2</sup>University of Tübingen, Institute of Linguistics; <sup>3</sup>TU Chemnitz
- 17:45 **Decoding the P600: MVPA evidence for shared neural patterns underlying Oddball and syntactic violation processing**  
Jona Sassenhagen & Christian J. Fiebach  
University of Frankfurt, Department of Psychology
- 18:00 **Is it possible to reverse the Spatial Agency Bias?**  
Katharina Adam, Tobias Vogel & Michaela Wänke  
University of Mannheim, Consumer and Economic Psychology
- 18:15 **First-language (L1) effects on second-language (L2) grammatical gender acquisition**  
Simone Sprenger<sup>1</sup> & Bergmann Christopher<sup>2</sup>  
<sup>1</sup>University of Groningen, Center for Language and Cognition (Semantics and Cognition Group); <sup>2</sup>University of Groningen, Center for Language and Cognition

## Talks, Wednesday, 08:30 - 10:00

Talk session

### Perception: Features and Objects

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00/0020

Vivian C. Paulun

- 08:30 **Enhanced colour perception and memory for colours in grapheme-colour synaesthetes and colour experts**  
Nicolas Rothen & Rebecca Ovalle Fresa  
University of Bern, Department of Psychology
- 08:45 **Striking individual differences in gloss perception**  
Christoph Witzel  
Allgemeine Psychologie, Justus-Liebig-Universität
- 09:00 **Visual Perception of the Properties of Deformable Objects**  
Vivian C. Paulun, Philipp Schmidt & Roland W. Fleming  
University of Giessen, Department of Psychology
- 09:15 **Inferring causal history from shape**  
Philipp Schmidt & Roland W. Fleming  
Justus Liebig University Giessen, Experimental Psychology
- 09:30 **Comparison of Object Perception in Head Mounted Display and in Desktop Monitor for Congruent and Incongruent Environments**  
Erinchan Telatar<sup>1</sup>, René Reinhard<sup>2</sup>, Shah Rukh Humayoun<sup>3</sup>, Achim Ebert<sup>3</sup> & Thomas Lachmann<sup>1</sup>  
<sup>1</sup>University of Kaiserslautern, Cognitive Science; <sup>2</sup>Fraunhofer-Institut für Techno- und Wirtschaftsmathematik; <sup>3</sup>University of Kaiserslautern, Computer Graphics and HCI Group
- 09:45 **How age and attractiveness influence visual attention**  
Aleksandra Mitrovic & Helmut Leder  
University of Vienna, Department of Basic Psychological Research and Research Methods

Symposium

### Instruction, intention, imagery, and observation: How non-action shapes human behavior

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00/0030

Christina Pfeuffer

- 08:30 **Identity-specific coding of newly instructed task rules in the human brain**  
Hannes Ruge  
Technische Universität Dresden
- 08:45 **Does it pay to pay? Experimental evidence on cognitive control by monetary rewards versus response strategies**  
Maik Bieleke<sup>1</sup>, Michael Dambacher<sup>1</sup>, Ronald Hübner<sup>1</sup> & Peter M Gollwitzer<sup>2</sup>  
<sup>1</sup>University of Konstanz, Department of Psychology; <sup>2</sup>New York University, Department of Psychology

- 09:00 **Time course of inhibition in motor imagery**  
Victoria K. E. Bart<sup>1</sup>, Iring Koch<sup>2</sup> & Martina Rieger<sup>1</sup>  
<sup>1</sup>UMIT, Institute of Psychology; <sup>2</sup>RWTH Aachen University, Institute of Psychology
- 09:15 **Intimate co-representation for action regulation: Retrieval of observationally acquired stimulus-response bindings in romantically involved interaction partners versus strangers**  
Carina Giesen<sup>1</sup>, Virginia Löhl<sup>2</sup> & Nicolas Koranyi<sup>2</sup>  
<sup>1</sup>Department of Psychology, General Psychology II, Friedrich Schiller University Jena;  
<sup>2</sup>Friedrich Schiller University Jena
- 09:30 **The Power of Non-Action: Forming stimulus-response associations via instruction, observation, and imagery**  
Christina Pfeuffer, Karolina Moutsopoulou, Florian Waszak & Andrea Kiesel  
University of Freiburg, Cognition, Action, and Sustainability Unit
- 09:45 **A common, grounded basis for different types of stimulus-response learning**  
Torsten Martiny-Huenger  
UiT The arctic university of Norway, Department of Psychology

Talk session

## Action and perception I

00/0070

Thomas Schack

- 08:30 **Perception of penalty takers in soccer with varying graphical levels of detail**  
Johannes Kurz<sup>1</sup>, Fabian Helm<sup>2</sup>, Nikolaus F. Troje<sup>3</sup> & Jörn Munzert<sup>1</sup>  
<sup>1</sup>Justus-Liebig-University, Department of Sport Science; <sup>2</sup>Goethe University, Department of Sport Science; <sup>3</sup>Queen's University, Department of Psychology
- 08:45 **Sensory attenuation of self-produced signals is driven by motor-independent predictions**  
Jakob Kaiser & Simone Schütz-Bosbach  
Ludwig-Maximilian University, Experimental Psychology
- 09:00 **The influence of different sensory signals on error perception and its neural correlates**  
Lisa K. Maurer, Michael Joch, Mathias Hegele, Heiko Maurer & Hermann Müller  
Justus-Liebig-University, Department of Sport Science
- 09:15 **Observation of the whole-body movement sequences: Memory encoding, retention, and retrieval of the movement-related spatial and temporal information**  
Shiau-Chuen Chiou & Thomas Schack  
Bielefeld University, Neurocognition and Action Research Group, Center of Excellence Cognitive Interaction Technology (CITEC)
- 09:30 **Cognitive models modulate action-perception coupling in perceptual multistability**  
Peter Veto<sup>1</sup>, Marvin Uhlig<sup>1</sup>, Nikolaus F. Troje<sup>2</sup> & Wolfgang Einhäuser<sup>1</sup>  
<sup>1</sup>Chemnitz University of Technology, Institute of Physics - Physics of Cognition Group;  
<sup>2</sup>Queen's University, Department of Psychology

- 09:45      **Mental and Manual Rotation of Physical Three-Dimensional Objects**  
Stefanie Zander<sup>1</sup>, Stefan Brandenburg<sup>2</sup> & Elisabeth Brandenburg<sup>1</sup>  
<sup>1</sup>Fraunhofer Institut für Produktionsanlagen und Konstruktionstechnik, Virtuelle Produktentstehung, Modellbasiertes Entwickeln; <sup>2</sup>Technische Universität Berlin, Cognitive Psychology and Cognitive Ergonomics

Talk session

## Learning

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01/0010

Nicola Kristina Ferdinand

- 08:30      **Just put it in context: How timing of prime and context information determines unconscious context-specific conflict adaptation**  
Heiko Reuss & Wilfried Kunde  
Julius-Maximilians-Universität Würzburg, Lehrstuhl für Psychologie III
- 08:45      **The limits of implicit sequence learning**  
Anja Kühnel  
Medical School Berlin, Allgemeine Psychologie
- 09:00      **Structural similarities between response categories and response layout facilitate processing of overlapping categories**  
Anton Öttl<sup>1</sup>, Dawn Marie Behne<sup>1</sup>, Martine Aune<sup>1</sup>, Pascal Gygax<sup>2</sup> & Ute Gabriel<sup>1</sup>  
<sup>1</sup>Norwegian University of Science and Technology, Department of Psychology;  
<sup>2</sup>University of Fribourg, Department of Psychology
- 09:15      **Learning novel object classes with very little data**  
Yaniv Morgenstern, Filipp Schmidt & Roland W. Fleming  
Justus-Liebig-University Giessen
- 09:30      **Integrating cue abstraction with retrieval from memory: A learning approach**  
Janina Hoffmann<sup>1</sup>, Rebecca Albrecht<sup>2</sup> & Bettina von Helversen<sup>3</sup>  
<sup>1</sup>University of Konstanz; <sup>2</sup>University of Basel; <sup>3</sup>University of Zurich
- 09:45      **Does social-emotional feedback diminish age-related learning impairments?**  
Nicola Kristina Ferdinand  
Saarland University, Department of Psychology
- 10:00      **The effect of perceived similarity and perceived usefulness on online learning of statistics**  
Tuo Liu, Maria Mikheeva & Günter Daniel Rey  
Chemnitz University of Technology, Psychology of learning with digital media



Talk session

**Decision making III**

**01/0020**

Felix G. Rebitschek

08:30

**Interactions of approximate number processing skills with numeracy and executive functions in decision making under risk**

Silke M. Müller<sup>1</sup>, Margarete Delazer<sup>2</sup> & Matthias Brand<sup>3</sup>

<sup>1</sup>Universität Duisburg-Essen, General Psychology: Cognition; <sup>2</sup>Clinical Department of Neurology, Innsbruck Medical University; <sup>3</sup>General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR), University of Duisburg-Essen, Duisburg Erwin L. Hahn Institute for Magnetic Resonance Imaging

08:45

**Explaining human decision making in optimal stopping tasks**

Christiane Baumann<sup>1</sup>, Bettina von Helversen<sup>1</sup> & Sam Gershman<sup>2</sup>

<sup>1</sup>University of Zuerich, Department of Psychology; <sup>2</sup>Harvard University, Department of Psychology

09:00

**Causal perspectives: on carefully providing cues to improve risk understanding**

Felix G. Rebitschek

Max Planck Institute for Human Development, Harding Center for Risk Literacy

09:15

**How does Working Memory Capacity influence Extraction Behavior in CPR Dilemmas? - An Agent-Based Modeling Approach**

Nadia Said<sup>1</sup>, Debora Fieberg<sup>2</sup>, Helen Fischer<sup>1</sup>, Johannes Lohse<sup>3</sup> & Christian Kirches<sup>4</sup>

<sup>1</sup>Heidelberg University, Experimental and Theoretical Psychology; <sup>2</sup>Heidelberg University, Interdisciplinary Center for Scientific Computing (IWR); <sup>3</sup>University of Birmingham, Department of Economics; <sup>4</sup>TU Braunschweig, Institut für Mathematische Optimierung

09:30

**Post-Conflict Speeding in Motivational Conflicts**

Christina Heitmann & Roland Deutsch

University Würzburg, Psychology

09:45

**Stereotype Reliance in Source Guessing: State Versus Cognitive Trait?**

Liliane Wulff & Beatrice G. Kuhlmann

University of Mannheim, Chair for Cognitive Psychology and Individual Differences (Psychology III)

Symposium

**Neuroergonomics: Using neuroscientific methods to understand the brain at work**

**01/0030**

Lewis L. Chuang & Klas Ihme

08:30

**Mobile Brain/Body Imaging in Neuroergonomics**

Klaus Gramann

Biological Psychology and Neuroergonomics, TU Berlin

08:45

**The "distraction potential" of environment sounds during closed-loop visuomotor control**

Lewis Chuang & Menja Scheer

Max Planck Institute for Biological Cybernetics

Talks, Wednesday, 08:30 - 10:00

- 09:00 **fNIRS evidence for interaction between types of cognitive demands in driving**  
Jochem W Rieger & Anirush Unni  
University of Oldenburg, Psychology
- 09:15 **Mobile assessment of driver mental states in a simulated driving environment**  
Julian Elias Reiser  
Leibniz Research Centre for Working Environment and Human Factors, Ergonomics
- 09:30 **Frustration-aware cars. Application and constraints for in-vehicle frustration recognition**  
Klas Ihme, Meng Zhang & Uwe Drewitz  
German Aerospace Center, Institute of Transportation Systems, Department of Human Factors
- 09:45 **Towards an emotion-sensitive brain-computer interface for neuroadaptive assistive technology**  
Mathias Vukelic  
Fraunhofer-Institute for Industrial Engineering IAO

Talk session

## Visual attention I

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01/0110

Raoul Bell

- 08:30 **Effector priming during action observation in combat sports**  
Andrea Polzien, Iris Guldenpenning & Matthias Weigelt  
University of Paderborn, Psychology and Movement Science
- 08:45 **The effect of auditory distractors on face recognition**  
Raoul Bell, Jan Philipp Röer, Laura Mieth & Axel Buchner  
Heinrich-Heine-Universität Düsseldorf
- 09:00 **What's past is past: Neither perceptual or semantic preactivation nor prior motivational relevance decrease subsequent inattention blindness**  
Carina Kreitz<sup>1</sup>, Robert Schnürch<sup>2</sup>, Philip Furley<sup>1</sup>, Henning Gibbons<sup>2</sup> & Daniel Memmert<sup>1</sup>  
<sup>1</sup>Deutsche Sporthochschule Köln, Institut für Trainingswissenschaft und Sportinformatik;  
<sup>2</sup>Universität Bonn, Institut für Psychologie
- 09:15 **Effects of vertical head orientation on spatial attention**  
Felix J. Götz, Anne Böckler, Paul M. Heineck & Andreas B. Eder  
Julius-Maximilians-Universität Würzburg, Department of Psychology
- 09:30 **The role of feature binding demands for the interplay of visual attention and central attention**  
Christina B. Reimer & Torsten Schubert  
Martin-Luther-Universität Halle-Wittenberg, Department of Psychology; Humboldt-Universität zu Berlin, Department of Psychology

- 09:45 **Novel non-salient stimuli detract attention from a novel color singleton**  
Daniel Ernst<sup>1</sup>, Stefanie Becker<sup>2</sup> & Gernot Horstmann<sup>1</sup>  
<sup>1</sup>Bielefeld University & CITEC, Neuro-cognitive Psychology; <sup>2</sup>University of Queensland, School of Psychology

Talk session

## Self-regulation

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01/0120

Timur Sevincer

- 08:30 **"More than enough" or "now more than ever": Destructive versus constructive behavioural correlates of shame in the context of individual and collective wrongdoing depend on victim versus perpetrator status**  
Jonas Rees  
Institute for Interdisciplinary Research on Conflict and Violence
- 08:45 **Regulatory focus and propositional processing: Prevention focus bolsters negation processing**  
Anand Krishna<sup>1</sup> & Fritz Strack<sup>2</sup>  
<sup>1</sup>University of Würzburg, Department for Emotional and Motivational Psychology;  
<sup>2</sup>University of Würzburg, Department for Social Psychology
- 09:00 **How to stay positive: Integration or prevention of integration of negative content to the self**  
Sarah Schäfer<sup>1</sup>, Dirk Wentura<sup>2</sup> & Christian Frings<sup>1</sup>  
<sup>1</sup>University of Trier, Department of Cognitive Psychology; <sup>2</sup>Saarland University, Department of Cognitive Psychology and Statistics
- 09:15 **Impulsivity and inhibitory control in the context of Internet-pornography-use disorder**  
Stephanie Antons & Matthias Brand  
University Duisburg-Essen, General Psychology: Cognition
- 09:30 **Handlungsnotwendigkeit und spontanes Kontrastieren**  
Timur Sevincer<sup>1</sup> & Gabriele Oettingen<sup>2</sup>  
<sup>1</sup>University of Hamburg; <sup>2</sup>University of Hamburg; New York University

Talk session

## Eye movements and Reading

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02/0090

Christoph Huber-Huber

- 08:30 **Fixation durations in natural scene viewing are guided by peripheral content**  
Charlotte Atzer<sup>1</sup>, Antje Nuthmann<sup>2</sup> & Wolfgang Einhäuser<sup>3</sup>  
<sup>1</sup>Chemnitz University of Technology, Institute of Physics – Physics of Cognition Group; Philipps-University; <sup>2</sup>University of Kiel, Institute of Psychology – Perception and Cognition Group; <sup>3</sup>Chemnitz University of Technology, Institute of Physics – Physics of Cognition Group

Talks, Wednesday, 08:30 - 10:00

- 08:45      **Support for the prediction hypothesis of visual stability: Invalid peripheral preview increases the fixation-locked N170 face inversion effect**  
Christoph Huber-Huber, Clayton Hickey & David Melcher  
CIMeC, University of Trento
- 09:00      **Data Assimilation in Experimental Psychology: A Case Study from Eye Movements during Reading**  
Stefan Alexander Seelig  
Potsdam University, Department of Psychology
- 09:15      **Reading at the speed of speech: Visual language perception at ~5 Hz**  
Benjamin Gagl<sup>1</sup>, Julius Golch<sup>2</sup>, Stefan Hawelka<sup>3</sup>, Jona Sassenhagen<sup>2</sup>, David Poeppel<sup>4</sup> & Christian J. Fiebach<sup>5</sup>  
<sup>1</sup>Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA); <sup>2</sup>Department of Psychology, Goethe University Frankfurt; <sup>3</sup>Centre for Cognitive Neuroscience, University of Salzburg; <sup>4</sup>Max Planck Institute for Empirical Aesthetics; Department of Psychology, New York University; <sup>5</sup>Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA); Max Planck Institute for Empirical Aesthetics
- 09:30      **Eye movement patterns in reading texts with unusual typography**  
Johan Chandra, André Krügel & Ralf Engbert  
Universität Potsdam, Experimental & Biological Psychology
- 09:45      **Agentive coercion in German copula sentences makes you look twice: Evidence from an eye-tracking study**  
Anna Pryslopska  
University of Tübingen, SFB 833

## Posters, Wednesday, 10:00 - 12:00

### Development and Ageing

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- W-1-1 **Influence of ID speech and singing on 12-month-olds' social preferences**  
Franziska Degé<sup>1</sup>, Sandra Trehub<sup>2</sup> & Gudrun Schwarzer<sup>1</sup>  
<sup>1</sup>Justus-Liebig-University, Developmental Psychology; <sup>2</sup>University of Toronto Mississauga
- W-1-2 **Joint visual attention and locomotor experience: A longitudinal study with typically developing infants and infants with locomotor delay**  
Julia Dillmann, Gloria Gehb, Christian-Dominik Peterlein & Gudrun Schwarzer  
Justus-Liebig-University Giessen, Department of Developmental Psychology
- W-1-3 **Neural transfer of training in task switching in old age**  
Sandra Dörrenbächer, Hubert Zimmer & Jutta Kray  
Saarland University, Psychology
- W-1-4 **How the fine-motor skills of 9-month-old infants influence their predictive grasping behavior**  
Gloria Gehb, Claudia Kubicek, Bianca Jovanovic & Gudrun Schwarzer  
Justus-Liebig-University, Developmental Psychology
- W-1-5 **Visual preference for real objects over pictures is related to 7-month-old infants' manual object exploration**  
Theresa M Gerhard<sup>1</sup>, Jody C Culham<sup>2</sup> & Gudrun Schwarzer<sup>1</sup>  
<sup>1</sup>Justus-Liebig-University, Developmental Psychology; <sup>2</sup>University of Western Ontario, Department of Psychology and Brain and Mind Institute
- W-1-6 **Infants' gaze patterns for same-race and other-race faces, and the other-race effect**  
Anna Krasotkina & Gudrun Schwarzer  
Justus-Liebig-Universität Gießen, Department of Developmental Psychology
- W-1-7 **A response-selection training helps 2.5-year-olds to solve intuitive physics tasks**  
Markus Krüger, Friederike Kracht & Horst Krist  
Ernst-Moritz-Arndt-Universität Greifswald
- W-1-8 **Differential emotion-induced effects on the efficiency of cognitive control throughout adolescent development**  
Lena Müller, Hannah Ritter & Jutta Kray  
Saarland University, Department of Psychology
- W-1-9 **Infants' Mental Rotation and Recognition of 3D Objects – the Relevance of Stereovision**  
Martina Röthlisberger & Andrea Frick  
University of Fribourg, Department of Psychology

- W-1-10     **Cross-modal priming of emotion perception in children and adults**  
Michael Vesker<sup>1</sup>, Daniela Bahn<sup>2</sup>, Franziska Degé<sup>1</sup>, Monika Tschense<sup>2</sup>, Christina Kauschke<sup>2</sup> & Gudrun Schwarzer<sup>1</sup>  
<sup>1</sup>Justus-Liebig-Universität Gießen, Department of Developmental Psychology; <sup>2</sup>Philipps-Universität Marburg, Department of German Linguistics

## Learning

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- W-1-12     **I'm all ears: ERPs and pupil size in response to learning novel labels for novel sounds**  
Markéta Becevová, Natalia Esther Brandwayn, Scheng Yang Chong, Maria del Mar Cordero Rull, Matteo Mascelloni, Marisa Ortlieb, Leonardo Pimpini, Susanne Schuberth, Paola Suarez Ramirez & Jutta L Mueller  
Universität Osnabrück
- W-1-13     **Evaluative conditioning of neutral stimuli does not modulate conflict adaptation**  
Anja Maria Berger<sup>1</sup>, Rico Fischer<sup>2</sup> & Gesine Dreisbach<sup>1</sup>  
<sup>1</sup>University of Regensburg, Institute for Psychology; <sup>2</sup>University of Greifswald, Institute for Psychology
- W-1-14     **Contingency Learning and Choice-Behavior Based on Self-Directed and Other-Directed Information Sampling**  
Franziska Bott & Thorsten Meiser  
University of Mannheim, Department of Psychology
- W-1-15     **Personal time-related life events influence the direction of whole-body movements**  
Lydia Kastner<sup>1</sup>, Jennifer Müller<sup>2</sup>, Juan José Rahona López<sup>1</sup>, Peter Gerjets<sup>1</sup> & Susana Ruiz Fernández<sup>1</sup>  
<sup>1</sup>Leibniz Institut für Wissensmedien, Multimodal Interaction Lab; <sup>2</sup>Eberhard Karls University of Tübingen, LEAD Graduation School & Research Network
- W-1-16     **The usefulness of task-irrelevant actions-effects in implicit sequence-learning**  
Clarissa Lustig & Hilde Haider  
University of Cologne, Department of Psychology
- W-1-17     **Implicit sequence learning despite multitasking: the role of (flexible) separation of task representations**  
Eva Röttger<sup>1</sup>, Hilde Haider<sup>1</sup>, Fang Zhao<sup>2</sup> & Robert Gaschler<sup>2</sup>  
<sup>1</sup>University of Cologne, Department of Psychology; <sup>2</sup>FernUniversität in Hagen, Department of Psychology
- W-1-18     **Consistent irrelevant response effects enhance implicit sequence learning**  
Jascha Rüsseler<sup>1</sup> & Daniel Wiswede<sup>2</sup>  
<sup>1</sup>Department of Psychology, Otto-Friedrich-University Bamberg; <sup>2</sup>Department of Neurology, University of Lübeck

- W-1-19 **The epigenetics of depression: Methylation of the promoter region of the serotonin transporter (SLC6A4) moderates the association between critical life events and depression**  
Simon Sanwald, Christian Montag, Katharina Widenhorn-Müller, Carlos Schönfeldt-Lecuona, Maximilian Gahr & Markus Kiefer  
Universitätsklinikum Ulm, Klinik für Psychiatrie und Psychotherapie, III Sektion für kognitive Elektrophysiologie
- W-1-20 **ERP-correlates of evaluative priming underline the importance of depth of processing and implicit affect misattribution**  
Laura-Effi Seib-Pfeifer & Henning Gibbons  
University of Bonn, Department of Psychology
- W-1-21 **Influence of segmentation of subsequence help sequence learning in multitasking**  
Fang Zhao<sup>1</sup>, Robert Gaschler<sup>1</sup>, Eva Röttger<sup>2</sup> & Hilde Haider<sup>2</sup>  
<sup>1</sup>FernUniversity in Hagen, Psychology; <sup>2</sup>University of Cologne

## Social Psychology

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- W-1-22 **Speaking the part: Psychological correlates and efficacy of voluntary socio-emotional trait expression in voices**  
Stella Guldner<sup>1</sup>, Carolyn McGettigan<sup>2</sup>, Frauke Nees<sup>3</sup> & Herta Flor<sup>3</sup>  
<sup>1</sup>University of Heidelberg, Central Institute of Mental Health, Institute of Cognitive and Clinical Neuroscience; Royal Holloway University of London, Vocal Communication Lab; University of Mannheim, Graduate School of Economic and Social Sciences; <sup>2</sup>Royal Holloway University of London, Vocal Communication Lab; <sup>3</sup>University of Heidelberg, Central Institute of Mental Health, Institute of Cognitive and Clinical Neuroscience
- W-1-23 **Of revolutionaries and sycophants: Insight into the effects of group status and permeability of group boundaries on multiple aspects of in-group identification**  
Paul Michael Heineck, Jenny Roth & Roland Deutsch  
University of Würzburg, Department of Psychology II
- W-1-24 **Contextualising information enhances the experience of environmental art**  
Anna Keller & Florian Röser  
University of Applied Sciences, Economic Psychology
- W-1-25 **Dynamics of the mimetic crisis in students**  
Laura Klimecki, Markus Maier & Vanessa Büchner  
LMU Munich, Department of Psychology
- W-1-26 **Cortical underpinnings of geometrical gaze following – an fMRI study**  
Peter Maximilian Kraemer<sup>1</sup>, Goerner Marius<sup>2</sup>, Hamidreza Ramezanzpour<sup>2</sup>, Peter Dicke<sup>2</sup> & Peter Thier<sup>2</sup>  
<sup>1</sup>University of Basel, Department for Decision Neuroscience; <sup>2</sup>Hertie Institute for Clinical Brain Research, Department for Cognitive Neurology
- W-1-27 **Executive Control and the Implicit Association Test (IAT): Unraveling the Effect of Switching Ability on IAT Scores**  
Franziska Meissner  
Friedrich-Schiller-Universität Jena, Institut für Psychologie, Allgemeine Psychologie II

Posters, Wednesday, 10:00 - 12:00

- W-1-28      **Gender effects on cooperation and costly punishment**  
Laura Mieth, Axel Buchner & Raoul Bell  
Heinrich Heine University, Department for Experimental Psychology
- W-1-29      **The first sight does not matter: Gender as the first cue on job applications**  
Nadine Nett, Tillmann Nett, Robert Gaschler & Andreas Glöckner  
FernUniversität in Hagen, Institut für Psychologie
- W-1-30      **The development and validation of an academic self-forgiveness scale**  
Shama Padke & Raven Rinas  
Ludwig-Maximilians-Universität, Psychology
- W-1-31      **Regressive Shrinkage of Primacy Effects in Self-Determined Impression Formation from Samples**  
Johannes Prager & Klaus Fiedler  
Universität Heidelberg
- W-1-32      **If you always tell the truth you don't have to remember anything: New insights into the implicit memory of lying**  
Franziska Annett Schreckenbach, Klaus Rothermund & Nicolas Koranyi  
Friedrich-Schiller University Jena, Department of General Psychology II
- W-1-33      **Social Probability Discounting**  
Diana Schwenke & Stefan Scherbaum  
Technische Universität Dresden, Department of Psychology
- W-1-34      **Handwriting, emotions and grading practices**  
Queralt Serra  
Ludwig-Maximilians-Universität, Psychology
- W-1-35      **The influence of group membership on the processing of emotional facial actions**  
Miriam Steines, Tilo Kircher & Benjamin Straube  
Philipps-Universität Marburg, Department of Psychiatry and Psychotherapy
- W-1-36      **Measuring driving behaviour – German validation of the Prosocial and Aggressive Driving Inventory (PADI)**  
Tanja Stoll & Martin Baumann  
Ulm University, Institute of Psychology and Education, Department of Human Factors
- W-1-37      **Target attractiveness affects unwanted sexual attention but not gender harassment in a computer chat**  
Lilian Topp & Gerd Böhner  
University of Bielefeld, Department of Psychology

## **Action and perception**

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- W-2-1      **Dreh Dich immerzu, rundherum und rundherum: Die mentale Rotation des menschlichen Körpers um die vertikale Achse**  
Franziska End, Mirjam Ebersbach & Markus Krüger  
Ernst-Moritz-Arndt-Universität Greifswald



- W-2-2 **Modes of task processing: Converging evidence of an individual preference in free concurrent multitasking across different tasks, instructions, and time structures**  
Jovita Brüning, Jessika Reissland & Dietrich Manzey  
Technische Universität Berlin, Department of Psychology and Ergonomics
- W-2-3 **If it's hard to understand, try harder! More evidence for processing adjustments to auditory (dis-) fluency**  
Thomas Dolk, Claudia Freigang, Johanna Bogon & Gesine Dreisbach
- W-2-4 **Dual task performance reflects sequence learning-based prediction**  
Robert Gaschler<sup>1</sup>, Fang Zhao<sup>1</sup>, Eva Röttger<sup>2</sup> & Hilde Haider<sup>2</sup>  
<sup>1</sup>Department of Psychology, FernUniversität in Hagen; <sup>2</sup>Department of Psychology, Universität zu Köln
- W-2-5 **Persistence of perception-action interaction over time and proprioceptive interference**  
Maryvonne Granowski, Oliver Simon Sack & Christine Sutter  
German Police University, Institute of Traffic Science & Traffic Psychology
- W-2-6 **Is the head-fake effect in basketball robust against practice?**  
Iris Güldenpenning<sup>1</sup>, Christoph Schütz<sup>2</sup>, Matthias Weigelt<sup>1</sup> & Wilfried Kunde<sup>3</sup>  
<sup>1</sup>University of Paderborn, Psychology and Movement Science; <sup>2</sup>Bielefeld University, Department of Sport Science; <sup>3</sup>Würzburg University, Department of Psychology
- W-2-7 **Multitasking in the perihand space: Effects of stimulus-hand proximity on between-task shifts at the bottleneck**  
Thomas Hosang<sup>1</sup>, Rico Fischer<sup>2</sup>, Jennifer Pomp<sup>3</sup> & Roman Liepelt<sup>1</sup>  
<sup>1</sup>German Sport University, Institute of Psychology; <sup>2</sup>University of Greifswald, Institute of Psychology; <sup>3</sup>University of Muenster, Institute of Psychology
- W-2-8 **Sensory Attenuation: Disentangling Expectancy and Agency Effects**  
Annika Laura Klaffehn, Lisa Weller, Katharina A Schwarz, Wilfried Kunde & Roland Pfister  
University of Würzburg, Department of Psychology III
- W-2-9 **Temporal Movement Primitive Perception under Naturalistic Conditions**  
Benjamin Knopp, Moritz Schubert & Dominik Endres  
University of Marburg, Department of Psychology
- W-2-10 **Effects of action on cortical BOLD responses in multisensory, simulated self-motion**  
Milosz Krala<sup>1</sup>, Bianca van Kemenade<sup>2</sup> & Frank Bremmer<sup>1</sup>  
<sup>1</sup>Dept. Neurophysics and Marburg Center for Mind, Brain and Behavior - MCMBB, University of Marburg; <sup>2</sup>Translational Neuroimaging Marburg and Marburg Center for Mind, Brain and Behavior - MCMBB, University of Marburg
- W-2-11 **Goalkeepers' Reputation Biases Penalty-Kicking Behavior in Soccer**  
Florian Müller, Jonathan Felix Best & Rouwen Cañal-Bruland  
Friedrich Schiller University Jena, Department of Sport Psychology

- W-2-12     **Does task asymmetry determine the influence of anticipated partner reactions on task set selection?**  
Romy Müller, Elisabeth Wienß & Hanna Bärwinkel  
TU Dresden, Professur Ingenieurpsychologie und angewandte Kognitionsforschung
- W-2-13     **Prediction of Indirect Action Consequences**  
Mareike Pazen, Tilo Kircher & Benjamin Straube  
Philipps-University Marburg, Department for Psychiatry and Psychotherapy
- W-2-14     **Strategies of response organization: Converging evidence of an individual preference in free concurrent multitasking across different tasks, instructions, and time structures**  
Jessika Reissland, Jovita Brüning & Dietrich Manzey  
Technische Universität Berlin, Department of Psychology and Ergonomics
- W-2-15     **When Less Is More: Costs and Benefits of Varied vs. Fixed Content and Structure in Short Term Task Switching Training**  
Katrina Sabah<sup>1</sup>, Thomas Dolk<sup>1</sup>, Nachshon Meiran<sup>2</sup> & Gesine Dreisbach<sup>1</sup>  
<sup>1</sup>Regensburg University, General and Applied Psychology Department; <sup>2</sup>Ben-Gurion University of the Negev, Psychology Department
- W-2-16     **Effects of motor inhibition on n – 2 repetition costs**  
Juliane Scheil<sup>1</sup>, Thomas Kleinsorge<sup>1</sup> & Baptist Liefoghe<sup>2</sup>  
<sup>1</sup>Leibniz Research Centre for Working Environment and Human Factors (IfADo); <sup>2</sup>Ghent University
- W-2-17     **Diffusion Drift Modelling of Tactile Remapping**  
Kenan Suljic<sup>1</sup>, José P. Ossandón<sup>2</sup> & Tobias Heed<sup>1</sup>  
<sup>1</sup>University of Bielefeld, Faculty of Psychology & Sports Science; <sup>2</sup>University of Hamburg, Biological Psychology & Neuropsychology
- W-2-18     **The interaction between action generation and hand ownership in action-feedback monitoring**  
Lukas Uhlmann  
Philipps-University Marburg, Department of Psychiatry and Psychotherapy
- W-2-19     **Orientation priming during continuous flash suppression**  
Christian Valuch  
University of Göttingen, Department of Experimental Psychology
- W-2-20     **Egocentric and allocentric Simon effects in task sharing**  
Tom Weber, Christina Bermeitinger & Pamela Baess  
University of Hildesheim, Institute for Psychology
- W-2-21     **Optimizing across task congruency by stimulus selection – unless there is a routine sequence**  
Christina Weckwerth<sup>1</sup>, Robert Gaschler<sup>1</sup>, Fang Zhao<sup>1</sup>, Eva Röttger<sup>2</sup> & Hilde Haider<sup>2</sup>  
<sup>1</sup>Fernuniversität Hagen, Allg. Psychologie LME; <sup>2</sup>Universität zu Köln
- W-2-22     **How do we distinguish between emotions? Analysing the kinematics of emotional interactions**  
Adam Zabicki, Julia Bachmann & Jörn Munzert  
Nemolab – NeuromotorBehavior Laboratory, Justus-Liebig-University Giessen

## Attention II

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- W-2-23 **Neuronale Korrelate der Emotionsverarbeitung im Attentional Blink: eine EEG-Studie**  
Marie-Luise Roth, Maximilian Bruchmann & Thomas Straube  
University Münster, Institute of Medical Psychology and Systems Neuroscience
- W-2-24 **Reward Driven Visual Attentional Capture in Adult ADHD Patients**  
Philipp Matthias Berg<sup>1</sup>, Hanna Christiansen<sup>2</sup> & Anna Schubö<sup>3</sup>  
<sup>1</sup>Philipps-Universität Marburg, Psychologie; <sup>2</sup>Child- and Youth Psychology, Philipps-University Marburg; <sup>3</sup>Experimental and Biological Psychology, Philipps-University Marburg
- W-2-25 **Modulation of context learning by anticipated reward magnitude**  
Nils Bergmann, Dennis Koch & Anna Schubö  
Philipps-University Marburg, Cognitive Neuroscience of Perception and Action, Department of Psychology
- W-2-26 **A Meta-Analysis of Contingent-Capture Effects**  
Christian Büsel, Ulrich Ansorge & Martin Voracek  
Universität Wien, Institut für Psychologische Grundlagenforschung und Forschungsmethoden
- W-2-27 **Neural Correlates of Face Perception in an Inattentional Blindness Paradigm: A Simultaneous EEG-fMRI study**  
Torge Dellert, Miriam Müller-Bardorff, Maximilian Bruchmann & Thomas Straube  
Institute of Medical Psychology and Systems Neuroscience, University of Münster
- W-2-28 **Objective Measurement and Prediction of Processing Capacity**  
Isabella Fuchs-Leitner, Lisa Falschlunger & Othmar Lehner  
University of Applied Sciences Upper Austria
- W-2-29 **Visuospatial attention shifts during mental arithmetic can be measured via a temporal order judgment task**  
Maria Glaser & André Knops  
Humboldt-Universität zu Berlin, Department of Psychology
- W-2-30 **Singleton search is a top-down strategy**  
Markus Grüner, Florian Goller & Ulrich Ansorge  
University of Vienna, Department of Basic Psychological Research and Research Methods
- W-2-31 **Does the frequency of the background color influence the aesthetic judgment of object pictures?**  
Jenny Kloster, Stefan Blaschke & Bettina Rolke  
University of Konstanz, Department of Psychology
- W-2-32 **Neither singleton detection nor feature search – electrophysiological evidence for an intermediate, dimension-based, search mode**  
Anna M. Liesefeld<sup>1</sup>, Heinrich René Liesefeld<sup>2</sup> & Hermann J. Müller<sup>3</sup>  
<sup>1</sup>Department Psychologie, Ludwig-Maximilians-Universität München; <sup>2</sup>Department Psychologie und Graduate School of Systemic Neurosciences, Ludwig-Maximilians-Universität München; <sup>3</sup>Department Psychologie, Ludwig-Maximilians-Universität München; Birkbeck College

- W-2-33      **Does temporal attention aid feature-based target selection? An ERP study**  
Bettina Rolke, Susanne Dietrich & Verena C. Seibold  
University of Tuebingen, Department of Psychology
- W-2-34      **Recent response conflict reduces perceptual sensitivity at the time of distractor onset**  
Michael Sprengel<sup>1</sup>, Mike Wendt<sup>2</sup> & Thomas Jacobsen<sup>1</sup>  
<sup>1</sup>Helmut-Schmidt-University/University of the Federal Armed Forces Hamburg; <sup>2</sup>Medical School Hamburg
- W-2-35      **Delayed Disengagement Effect: A comparison between a circular search and a linear search lay-out**  
Maximilian Stefani & Wolfgang Mack  
Universität der Bundeswehr München, Institut für Psychologie
- W-2-36      **Level-specific attentional adjustment to proportion congruency in the processing of hierarchical stimuli**  
Miriam Tomat<sup>1</sup>, Mike Wendt<sup>2</sup> & Thomas Jacobsen<sup>1</sup>  
<sup>1</sup>Helmut-Schmidt-University/University of the Federal Armed Forces Hamburg, Experimental Psychology Unit; <sup>2</sup>Medical School Hamburg, Experimental Psychology Unit
- W-2-37      **Attentional modulation of masked semantic priming by task sets: Influences from performed induction tasks and mere task cue presentation**  
Natalie Maria Trumpp<sup>1</sup>, Heiko Reuss<sup>2</sup>, Wilfried Kunde<sup>2</sup> & Markus Kiefer<sup>1</sup>  
<sup>1</sup>Ulm University, Department of Psychiatry; <sup>2</sup>University of Würzburg, Department of Psychology
- W-2-38      **Limits of value-based attentional priority**  
Annabelle Walle, Michel D Druet & Ronald Hübner  
University of Konstanz, Cognitive Psychology
- W-2-39      **Differential effects of distractions and interruptions on task performance. An EEG study using a continuous number task**  
Bianca Zickerick, Kristina Küper, Sven Thönes, S. Oliver Kobald & Edmund Wascher  
Leibniz Research Centre for Working Environment and Human Factors

## Talks, Wednesday, 15:00 - 16:30

Talk session

### Perception: High-level

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00/0020

Frank Papenmeier

15:00 **The Completion of Missing Information During Coherent Events Is Caused by Backward Inferences Rather Than Predictive Perception**

Frank Papenmeier<sup>1</sup>, Alisa Brockhoff<sup>1</sup> & Markus Huff<sup>2</sup>

<sup>1</sup>University of Tübingen, Department of Psychology; <sup>2</sup>German Institute for Adult Education, Department of Research Infrastructures

15:15 **P3 and pupil dilation predict the subjective experience of time**

Benjamin Ernst & Marco Steinhauser

Catholic University of Eichstätt-Ingolstadt

15:30 **Alignment effects in spatial perspective taking from an external vantage point**

Adamantini Hatzipanayioti<sup>1</sup> & Marios Avraamides<sup>2</sup>

<sup>1</sup>Max Planck Institute for Biological Cybernetics, Department of Human Cognition, Perception and Action; <sup>2</sup>University of Cyprus, Department of Psychology

15:45 **Should interpersonal distance be thought of in field-theoretical terms?**

Robin Welsch, Christoph von Castell & Heiko Hecht

Johannes Gutenberg-Universität Mainz, Psychologisches Institut

16:00 **Presenting visual stimuli in ultra-high temporal resolution with gaming monitors**

Christian H. Poth<sup>1</sup>, Rebecca M. Foerster<sup>1</sup>, Christian Behler<sup>1</sup>, Ulrich Schwanecke<sup>2</sup>, Werner X. Schneider<sup>1</sup> & Mario Botsch<sup>1</sup>

<sup>1</sup>Bielefeld University; <sup>2</sup>Rhein-Main University of Applied Sciences

Symposium

### Sensory and motor foundations of conceptual cognition

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00/0030

Markus Kiefer

15:00 **The motor system's role in understanding and prediction**

Luigi Grisoni & Friedemann Pulvermüller

Freie Universität Berlin, Department of Philosophy and Humanities, Brain Language Laboratory

15:15 **Action verb – reaction – interaction: behavioural and brain data**

Katja Biermann-Ruben, Anne Klepp, Valentina Niccolai & Alfons Schnitzler

Heinrich-Heine-Universität, Institut für Klinische Neurowissenschaften und Medizinische Psychologie

15:30 **Contextual flexibility of the representation of action- and sound-related verbs in the motor and auditory systems: An fMRI study**

Margot Popp

Ulm University, Department of Psychiatry

Talks, Wednesday, 15:00 - 16:30

- 15:45      **From hammers to numbers: The role of experience and expertise in shaping concrete and abstract concepts**  
Marta Virginia Ghio & Christian Bellebaum  
Heinrich-Heine University, Institute of Experimental Psychology
- 16:00      **The semantic content of abstract concepts: A property listing study of 296 abstract words**  
Marcel Harpaintner  
Ulm University, Department of Psychiatry
- 16:15      **The sensory-motor nature of number concepts and arithmetic**  
Martin H. Fischer<sup>1</sup> & Samuel Shaki<sup>2</sup>  
<sup>1</sup>University of Potsdam; <sup>2</sup>Ariel University

Talk session

## **Action and perception II**

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**00/0070**

Bernhard Pastötter

- 15:00      **Response-response bindings are binary**  
Birte Moeller & Christian Frings  
Trier University
- 15:15      **It's the Other Way Around! Early Modulation of Sensory Distractor Processing Induced by Late Response Conflict**  
Bernhard Pastötter & Christian Frings  
University of Trier, Psychology Department
- 15:30      **Time will tell: Binding and retrieval of temporal distractors**  
Ruth Laub, Birte Moeller & Christian Frings  
University of Trier, Department of Cognitive Psychology
- 15:45      **Pupil dilation predicts adaptive behavioral adjustments following different error types**  
Martin E. Maier, Benjamin Ernst & Marco Steinhauser  
Katholische Universität Eichstätt-Ingolstadt
- 16:00      **Competition in feature-response binding for irrelevant features**  
Tarini Singh & Christian Frings  
University of Trier, Department of Cognitive Psychology
- 16:15      **The effect of Working-Memory demands on task-order coordination in DT situations**  
Sebastian Kübler<sup>1</sup>, Tilo Strobach<sup>2</sup> & Torsten Schubert<sup>3</sup>  
<sup>1</sup>Martin-Luther Universität Halle-Wittenberg, Institut für Psychologie; Humboldt-Universität zu Berlin, Institut für Psychologie; <sup>2</sup>MSH Medical School Hamburg, Fakultät für Humanwissenschaften; <sup>3</sup>Martin-Luther Universität Halle-Wittenberg, Institut für Psychologie

Talk session

## Development and Ageing

01/0010

Bianca Jovanovic

15:00

### **Influence of tool-use experience on motor planning**

Bianca Jovanovic & Gudrun Schwarzer

Justus-Liebig-Universität Giessen, FB 06, Developmental Psychology

15:15

### **Helping hands: Fine motor skills predict basic arithmetic abilities in preschool and first grade**

Stephanie Roesch<sup>1</sup>, Ursula Fischer<sup>2</sup>, Sebastian Suggate<sup>2</sup>, Korbinian Moeller<sup>3</sup> & Heidrun Stoeger<sup>2</sup>

<sup>1</sup>Leibniz-Institut für Wissensmedien, Neuro-cognitive Plasticity; University of Regensburg, Department of Educational Sciences; <sup>2</sup>University of Regensburg, Department of Educational Sciences; <sup>3</sup>Leibniz-Institut für Wissensmedien, Neuro-cognitive Plasticity; Institute of Psychology, Eberhard Karls University; LEAD Graduate School and Research Network, Eberhard Karls University

15:30

### **The advantage of being less protected: children's spatial orientation in the city of Jakarta**

Clara Ajisuksmo<sup>1</sup>, Agustina Hendriati<sup>1</sup> & Eva Neidhardt<sup>2</sup>

<sup>1</sup>Atma Jaya Catholic University of Indonesia, Psychology; <sup>2</sup>Universität Koblenz-Landau, FB1

15:45

### **The influence of incentives on cognitive control: a developmental study**

Marc Woirgardt, Nicola K. Ferdinand & Jutta Kray

Saarland University, Department of Psychology

16:00

### **Lifespan Cognition**

Daniel M. Bernstein<sup>1</sup> & Daniel G. Derksen<sup>2</sup>

<sup>1</sup>Kwantlen Polytechnic University; <sup>2</sup>Simon Fraser University

16:15

### **Content and temporal event knowledge of elderly people**

Michelle Wyrobnik<sup>1</sup>, Elke van der Meer<sup>2</sup> & Gesa Schaadt<sup>3</sup>

<sup>1</sup>Humboldt-Universität zu Berlin, Institut für Psychologie, Kognitive Psychologie; <sup>2</sup>Humboldt-Universität zu Berlin, Institut für Psychologie, Seniorprofessur Kognitive Psychologie; <sup>3</sup>Max-Planck-Institut für Kognitions- und Neurowissenschaften, Abteilung Neurologie

Symposium

## Diffusion Modeling

01/0020

Veronika Lerche & Andreas Voss

15:00

### **Diffusion modeling in motivational psychology: Inter-individual differences in fear of failure predict cognitive processing**

Veronika Lerche<sup>1</sup>, Andreas B. Neubauer<sup>2</sup> & Andreas Voss<sup>1</sup>

<sup>1</sup>Heidelberg University, Psychological Institute; <sup>2</sup>Department for Education and Human Development, German Institute for International Educational Research (DIPF)

15:15

### **Sequential Sampling Models with Variable Boundaries and Non-Normal Noise: A Comparison of Six Models**

Andreas Voss

Heidelberg University

Talks, Wednesday, 15:00 - 16:30

- 15:30      **Sequential modulation of compatibility-based and no-go-based backward crosstalk – insights from diffusion model analyses**  
Moritz Durst & Markus Janczyk  
Eberhard Karls University, Psychology
- 15:45      **Individual Differences in Post-Error Slowing**  
Florian Schmitz<sup>1</sup>, Doris Keye<sup>2</sup>, Klaus Oberauer<sup>3</sup> & Oliver Wilhelm<sup>4</sup>  
<sup>1</sup>Universität Duisburg-Essen; <sup>2</sup>DLR Hamburg; <sup>3</sup>University of Zürich; <sup>4</sup>Ulm University
- 16:00      **Can we identify faking strategies in lie detection? A Diffusion Model Analysis of the Concealed Information Test**  
Bartosz Gula, Lars Reich, Gáspár Lukács & Rainer Alexandrowicz  
University of Klagenfurt, Department of Psychology

Symposium

### **Cognition and Emotion in Human-Machine-Interaction**

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- 01/0030**      Stefan Brandenburg, Anna K. Trapp, Michael Minge & Manfred Thüning
- 15:00      **Efficiency and Aesthetics of E-Commerce Results**  
Anica Kleinjan<sup>1</sup> & Stefan Brandenburg<sup>2</sup>  
<sup>1</sup>CONTACT Software GmbH; <sup>2</sup>Technische Universität Berlin, Cognitive Psychology and Cognitive Ergonomics
- 15:15      **Designing Touch Displays for Seniors: an Adaptive Approach**  
Avner Shahal<sup>1</sup>, Carola Trahms<sup>2</sup> & Michael Minge<sup>1</sup>  
<sup>1</sup>Technische Universität Berlin, Department of Cognitive Psychology and Cognitive Ergonomics; <sup>2</sup>Technische Universität Berlin, Institute of Software Engineering and Theoretical Computer Science, Quality and Usability Lab
- 15:30      **Blind-walking and distance estimation**  
Julia Bastian  
Universität Trier
- 15:45      **Acceptance of Mobile EEG-Devices**  
Friederice Schröder<sup>1</sup> & Thea Radüntz<sup>2</sup>  
<sup>1</sup>Technische Universität Berlin, Department of Psychology and Ergonomics, Chair of Cognitive Psychology and Cognitive Ergonomics; <sup>2</sup>Federal Institute for Occupational Safety and Health, Unit 3.4 - Mental Health and Cognitive Capacity
- 16:00      **Do robots dream of electric stereotypes? - Effects of gender-specific work stereotypes on trust in humanoid service robots**  
Johannes Maria Kraus  
Ulm University, Department Human Factors
- 16:15      **Social Inhibition of Return in the interaction between Humans and Virtual Agents**  
Carolin Wienrich<sup>1</sup>, Felix Kretschmer<sup>2</sup>, Richard Gross<sup>2</sup> & Gisela Müller-Plath<sup>2</sup>  
<sup>1</sup>University Würzburg, Institut Human-Computer-Media Team for Human-Technique-Systems; <sup>2</sup>Technische Universität Berlin, Institute for Psychology and Ergonomics, Chair for Methodology and New Media



Talk session

## Visual attention II

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01/0110

Peter Wühr

15:00

### **Response preparation with reliable cues decreases response competition in the flanker task**

Peter Wühr<sup>1</sup>, Christian Frings<sup>2</sup> & Herbert Heuer<sup>3</sup>

<sup>1</sup>TU Dortmund University, Department of Psychology; <sup>2</sup>Trier University, Department of Psychology; <sup>3</sup>Leibniz Research Centre for Working Environment and Human Factors (IfADo)

15:15

### **A direct comparison of evolutionary-relevant and modern stimuli in visual search – Does fear have an advantage at all?**

András Norbert Zsidó<sup>1</sup>, Orsolya Inhof<sup>2</sup>, Gergely Darnai<sup>3</sup>, Árpád Csathó<sup>4</sup>, Andras Matuz<sup>4</sup>, Beatrix Lábad<sup>2</sup> & Laszlo Bernath<sup>5</sup>

<sup>1</sup>University of Pécs; <sup>2</sup>Institute of Psychology, University of Pécs; <sup>3</sup>Institute of Psychology, University of Pécs; Department of Neurology, University of Pécs, Medical School; MTA-PTE Clinical Neuroscience MR Research Group; <sup>4</sup>Department of Behavioural Sciences, University of Pécs; <sup>5</sup>Faculty of Education and Psychology, Eötvös Loránd University

15:30

### **Valence-based asymmetries in attentional bias towards emotional faces in the general population**

Benedikt Emanuel Wirth & Dirk Wentura

Saarland University, Department of Psychology

15:45

### **Endogenous Cueing by Emotional Faces: Anticipatory Attentional Orienting Based on Visible and Masked Emotional Information**

Timea Folyi, Michaela Rohr & Dirk Wentura

Saarland University, Department of Psychology

16:00

### **The Effect of Attitude Accessibility on Early Components of Visual Attention**

Sebastian Dummel

Universität zu Köln, Differentielle Psychologie und Psychologische Diagnostik

## Author index

- Abbasi, H. 60  
Abdel Rahman, R. 43, 49, 50  
Abedi Khoozani, P. 21  
Abendroth, B. 54  
Abfalter, D. 38  
Ache, F. 24  
Achtziger, A. 53  
Ackermann, H. 20  
Adam, K. 69  
Ahlberg, D. 59  
Ahrens, F.K. 53  
Ajisuksmo, C. 87  
Albrecht, R. 40, 72  
Alexandrowicz, R. 88  
Allefeld, C. 46  
Alley, L.M. 43  
Almeida, P. 66  
Alves, H. 66  
Ansorge, U. 43, 58, 83  
Antoch, G. 58  
Antons, S. 75  
Arent, R. 32  
Arias, M.G. 47  
Armstrong, R. 28  
Aslan, A. 31  
Aßfalg, A. 30  
Attig, C. 67  
Atzert, C. 75  
Aune, M. 72  
Averbeck, H. 47  
Avraamides, M. 85  
Bachmann, J. 41, 82  
Bading, K.C. 24  
Baess, P. 26, 65, 82  
Bahn, D. 78  
Baier, D. 43  
Bart, V.K. 71  
Barth, A. 46, 60  
Bärwinkel, H. 82  
Bastian, J. 68, 88  
Baum, J. 49  
Baumann, C. 73  
Baumann, M. 41, 48, 54, 80  
Bäumer, T. 61  
Bayen, U.J. 28, 67  
Becevová, M. 78  
Bechtold, L. 58  
Becker, L. 22, 34  
Becker, M. 69  
Becker, S. 75  
Beggiato, M. 54  
Behler, C. 85  
Behne, D.M. 72  
Belardinelli, A. 27  
Belfi, A. 21  
Belke, E. 56  
Bell, R. 40, 74, 80  
Bellebaum, C. 58, 86  
Beller, S. 43  
Bender, A. 43  
Bendixen, A. 44  
Berg, P.M. 49, 83  
Berger, A.M. 78  
Berger, K.T. 66  
Bergmann, N. 83  
Berkessel, J. 31  
Bermeitinger, C. 24, 26, 32, 61, 65, 82  
Bernath, L. 89  
Berndt, E. 58, 59  
Bernstein, D.M. 87  
Berres, S. 22  
Besken, M. 66  
Best, J.F. 81  
Bestelmeyer, P.E. 20  
Bieleke, M. 70  
Biermann-Ruben, K. 85  
Billino, J. 58  
Bisby, J. 32  
Blank, H. 28  
Blaschke, S. 83  
Blech, C. 32  
Bledowski, C. 31, 40, 46  
Blohm, G. 21  
Bluhm, L. 54  
Blum, K. 23  
Bock, O. 60  
Böckler, A. 46, 74  
Böffel, C. 35, 65  
Bogon, J. 81  
Böhm, M.F. 28  
Bohner, G. 49, 69, 80  
Bommes, J. 58  
Bönsel, R. 34  
Born, J. 22  
Bötsch, I. 68  
Botsch, M. 85  
Bott, F. 78  
Braem, S. 51, 65  
Brand, M. 39, 47, 57, 73, 75  
Brandenburg, E. 72  
Brandenburg, S. 29, 48, 72, 88  
Brandwayn, N.E. 78  
Brass, M. 65  
Bratzke, D. 60

- Braun, D. 52  
 Braun, D.I. 39  
 Braun, J. 41  
 Braus, N. 39  
 Bremmer, F. 81  
 Brockhoff, A. 85  
 Brockmann, M. 29  
 Bröder, A. 27, 57  
 Broeker, L. 42  
 Bromberek-Dyzman, K. 50  
 Bruchmann, M. 61, 83  
 Brüning, J. 81, 82  
 Brunner-Sperdin, A. 38  
 Bryce, D. 60  
 Bublak, P. 49  
 Bucher, A. 60  
 Buchner, A. 26, 38, 40, 74, 80  
 Büchner, V. 79  
 Bufe, J. 31  
 Burgess, N. 32  
 Büsel, C. 83  
 Butz, M.V. 27  
 Cajar, A. 33  
 Calcagni, A. 23  
 Calcott, R. 60  
 Cañal-Bruland, R. 20, 81  
 Cao, L. 33, 39  
 Carbon, C. 20, 21, 59  
 Carbonell, G. 39  
 Chakkour, G. 55  
 Chandra, J. 76  
 Chen, J. 36  
 Chiou, S. 71  
 Choi, S. 43  
 Chong, S. 78  
 Christiansen, H. 83  
 Christophel, T.B. 46  
 Christopher, B. 69  
 Chuang, L. 33, 34, 48, 73  
 Chuang, L.L. 73  
 Conci, A. 31  
 Conci, M. 46, 52, 53  
 Contreras Saavedra, C. 69  
 Coors, A. 35  
 Coppin, G. 24  
 Cordero Rull, M. 78  
 Corneille, O. 66  
 Cospers, S.H. 56  
 Csathó, Á. 41, 61, 89  
 Culham, J.C. 36, 60, 77  
 Czernochowski, D. 45  
 Czoschke, S. 31, 40  
 D'Alessandro, M. 23  
 Dahm, S.F. 36  
 Daichendt, Y. 34  
 Dal Mas, D. 30  
 Dambacher, M. 70  
 Danek, A.H. 30  
 Darcy, N. 44  
 Darnai, G. 61, 89  
 De Houwer, J. 51  
 de la Rosa, S. 62  
 Debats, N.B. 21  
 DeBellis, E. 41  
 Degé, F. 77, 78  
 Delazer, M. 73  
 Dellert, T. 83  
 Deml, B. 41, 67, 68  
 Derksen, D.G. 87  
 Deschrijver, E. 65  
 Deubel, H. 46  
 Deutsch, R. 49, 73, 79  
 Dicke, P. 79  
 Diedenhofen, B. 25  
 Dietrich, S. 20, 84  
 Dignath, D. 24, 37, 64  
 Dillmann, J. 77  
 Dittrich, K. 62  
 Dobel, C. 42  
 Doeller, C.F. 22  
 Dolk, T. 81, 82  
 Döllken, M. 68  
 Dörrenbächer, S. 77  
 Dörschner, K. 43  
 Dötsch, D. 27, 60  
 Douven, I. 40  
 Draschkow, D. 59  
 Dreisbach, G. 30, 60, 64, 78, 81, 82  
 Drescher, U. 60  
 Drowing, K. 26, 45, 60  
 Drewitz, U. 74  
 Drueke, B. 67  
 Druey, M.D. 52, 84  
 Dshemuchadse, M. 22  
 Dubravac, M. 31  
 Dudschig, C. 58, 59  
 Dümig, M. 34  
 Dummel, S. 38, 89  
 Durst, M. 88  
 Dutke, S. 32  
 Eberhardt, L.V. 44  
 Ebersbach, M. 80  
 Ebert, A. 70  
 Eckert, A. 35  
 Eder, A.B. 29, 30, 49, 74  
 Egger, J. 56  
 Ehret, S. 59  
 Eibl, M. 55  
 Eickhoff, S.B. 36  
 Einhäuser, W. 44, 64, 71, 75

## Author index

- Eisenhauer, S. 33  
Elleringmann, L. 69  
Ellinghaus, R. 35  
Elschner, S.G. 26  
Elsen, S. 35  
End, F. 80  
Endres, D. 21, 27, 35, 81  
Engbert, R. 33, 76  
Engeln, A. 48, 54  
Erdfelder, E. 22, 23, 25  
Erdwien, B. 29  
Erle, T.M. 30, 65  
Ernst, B. 47, 85, 86  
Ernst, D. 75  
Ernst, J. 56  
Esmaeili Bijarsari, S. 31, 55  
Ewerdwalbesloh, J.A. 53  
Exner, V. 42  
Fabius, J. 51  
Fabry, R.E. 30  
Falandays, J.B. 28  
Falkenstein, M. 62  
Falschlunger, L. 83  
Fels, J. 54  
Ferdinand, N.K. 72, 87  
Feuerstack, S. 34  
Fiebach, C.J. 33, 34, 58, 59, 69, 76  
Fieberg, D. 73  
Fiedler, K. 80  
Fiehler, K. 21, 39  
Fillinger, M.G. 21  
Finke, K. 48, 49  
Finke, T. 32  
Fintor, E. 26, 42  
Fischer, C. 31  
Fischer, H. 73  
Fischer, M.H. 86  
Fischer, R. 36, 41, 64, 65, 78, 81  
Fischer, U. 87  
Flash, T. 27  
Fleming, R.W. 36, 46, 60, 70, 72  
Flor, H. 32, 79  
Foerster, A. 61  
Foerster, R.M. 85  
Folyi, T. 89  
Förster, R.M. 52  
Frame, M. 28  
Franke, A. 55  
Franke, M. 69  
Franklin, D. 52  
Franklin, D.W. 52  
Franz, V.H. 44, 63  
Freigang, C. 81  
Frick, A. 77  
Friedli, M. 45  
Friedrich, F. 63  
Friehs, M.A. 45  
Frings, C. 22, 38, 45, 75, 86, 89  
Frischkorn, G. 58  
Frischkorn, G.T. 31  
Fröber, K. 64  
Froeber, K. 30  
Frühholz, S. 20  
Fuchs, X. 59  
Fuchs-Leitner, I. 83  
Funk, F. 31  
Furley, P. 74  
Gabriel, U. 25, 72  
Gade, M. 40, 45, 51, 52  
Gagl, B. 33, 34, 76  
Gahr, M. 79  
Gail, A. 37  
Gaisbauer, F. 57  
Gaissmaier, W. 47  
Gajewski, P.D. 62  
Galinsky, A. 66  
Garrido-Vásquez, P. 35  
Gartus, A. 33  
Gaschler, R. 32, 57, 78, 79, 80, 81, 82  
Gast, A. 66  
Gauer, L. 48  
Gauggel, S. 67  
Gazzo Castaneda, L. 30  
Gegenfurtner, K.R. 39  
Gehb, G. 77  
Gerhard, T.M. 77  
Gerjets, P. 59, 61, 64, 78  
Germar, M. 55  
Gershman, S. 73  
Gerwien, J. 43  
Getzmann, S. 41  
Ghio, M. 58, 86  
Gibbons, H. 74, 79  
Giese, M.A. 27  
Giesen, C. 71  
Gillich, I.M. 61  
Glaser, M. 83  
Glaser, T. 68, 69  
Glöckner, A. 53, 80  
Gloriani, A.H. 33  
Gluth, S. 40, 47  
Goehring, F. 55  
Goettker, A. 39  
Gohl, I. 23  
Golch, J. 76  
Goller, F. 43, 83  
Gollwitzer, M. 49  
Gollwitzer, P.M. 70  
Gomilsek, T. 47  
Goris, J. 65

- Gosselin, F. 34  
 Göttmann, J. 31  
 Götz, F.J. 74  
 Gradwohl, N. 57  
 Grage, T. 28, 63  
 Gramann, K. 73  
 Granowski, M. 81  
 Greiter, L. 64  
 Grethen, K.J. 63  
 Grewe, T. 46  
 Grimm, S. 44  
 Grisoni, L. 85  
 Gross, R. 88  
 Gründling, J.P. 68  
 Grüner, M. 83  
 Gula, B. 88  
 Güldenpenning, I. 74, 81  
 Guldner, S. 79  
 Gunduz Can, R. 35  
 Günther, A. 49  
 Gygax, P. 25, 72  
 Hackbart, M. 56  
 Hackländer, R. 26  
 Haeger, M. 60  
 Hahn, U. 39  
 Haider, H. 78, 79, 81, 82  
 Hamm, A. 65  
 Händel, B. 33  
 Hanning, N.M. 46  
 Hanrieder, M. 56  
 Haraped, L. 42, 61  
 Harpaintner, M. 62, 86  
 Hartmann, E. 40  
 Hartmann, R. 62  
 Hasenbein, L.C. 33  
 Haslbeck, J.M. 23  
 Hatzipanayioti, A. 56, 85  
 Hawelka, S. 76  
 Hayhoe, M.M. 18  
 Haynes, J. 46  
 He, Y. 20  
 Hecht, H. 26, 34, 85  
 Heck, D.W. 23  
 Heed, T. 36, 59, 82  
 Heene, M. 63  
 Hefer, C. 30  
 Hegele, M. 21, 36, 52, 55, 71  
 Heikel, E.A. 58, 59  
 Heineck, P.M. 74, 79  
 Heinze, S. 34  
 Heitmann, C. 73  
 Hellweg, C. 26, 61  
 Helm, F. 71  
 Hendriati, A. 87  
 Hendricks, I. 35  
 Hennig, M. 49  
 Henninger, F. 23, 53, 58, 63  
 Herbert, C. 50  
 Herbort, O. 36  
 Herms, R. 55  
 Hernádi, I. 41, 61  
 Herrera-Bennett, A. 33, 59, 63  
 Hertrich, I. 20  
 Hertwig, R. 47  
 Herwig, A. 51  
 Hesse, F.W. 38  
 Hesselmann, G. 44  
 Heuer, A. 29, 31  
 Heuer, H. 21, 89  
 Heuer, K. 23  
 Heycke, T. 24  
 Hickey, C. 60, 76  
 Hilbig, B.E. 53, 58, 63  
 Hills, T.T. 27  
 Hindriks, F. 40  
 Hirsch, P. 55  
 Hoffmann, A. 25, 49  
 Hoffmann, J. 72  
 Hoffmann, J.A. 40, 47, 57  
 Hoffmann, M.A. 41  
 Hoffstadt, J. 59  
 Högden, F. 66  
 Horsten, L. 53  
 Horstmann, G. 75  
 Hosang, T. 81  
 Houpt, J. 28  
 Huber-Huber, C. 75, 76  
 Hübner, C. 51  
 Hübner, R. 20, 21, 26, 38, 70, 84  
 Huckauf, A. 24, 44, 64  
 Huemer, A.K. 23, 24, 29, 48, 54  
 Huestegge, L. 36, 41, 42, 46  
 Huff, M. 38, 85  
 Humayoun, S.R. 70  
 Hurlemann, R. 55  
 Husagic, L. 59  
 Hütter, M. 24, 49, 66  
 Hwang, B. 33  
 Iamshchinina, P. 46  
 Ihme, K. 73, 74  
 Ihmels, M. 66  
 Ilg, W. 27  
 Imbsweiler, J. 41  
 Inhof, O. 61, 89  
 Irina, M. 57  
 Isik, I. 21  
 Jacobsen, T. 20, 26, 61, 84  
 Jäger, G. 69  
 Janczyk, M. 23, 25, 40, 69, 88  
 Janeczko, J. 57

## Author index

- Janouch, C. 60  
Jansen, A. 32  
Jansen, P. 33  
Janszky, J. 61  
Jensen, A. 38  
Joch, M. 36, 71  
John, T. 31  
Johnson, J. 28  
Joos, E. 44  
Jost, K. 53  
Jovanovic, B. 77, 87  
Jurczyk, V. 30  
Kaernbach, C. 68  
Kaiser, J. 31, 40, 46, 71  
Kaiser, K. 56  
Kamp-Becker, I. 32  
Karádi, K. 41  
Karbach, J. 55  
Karimpur, H. 21  
Karthaus, M. 41  
Kastner, L. 78  
Kattert, G. 29  
Kaup, B. 58, 59  
Kauschke, C. 78  
Kazazi, J. 35  
Kegel, V. 26  
Keijsers, N.L. 36  
Keil, J. 20  
Kellen, D. 39  
Keller, A. 79  
Kenny, A. 23  
Keshavarz, B. 26  
Keye, D. 88  
Keyser, J. 36  
Khader, P.H. 53  
Kiefer, M. 62, 79, 84, 85  
Kiesel, A. 24, 37, 41, 51, 71  
Kieslich, P.J. 22, 23, 28, 63  
Kikumoto, A. 53  
Kim, J.D. 25  
King, J. 32  
Kipnis, A. 31  
Kircher, T. 45, 58, 80, 82  
Kirches, C. 73  
Kisander, Z. 41  
Kissler, J. 50  
Kißler, J.M. 50  
Klaffehn, A.L. 81  
Klatt, L. 46  
Klauer, K. 30, 62, 63, 69  
Klein, L.K. 36, 46  
Kleinjan, A. 88  
Kleinsorge, T. 82  
Klepp, A. 85  
Klichowicz, A. 30  
Klimecki, L. 79  
Klinghammer, M. 21  
Klingner, C. 49  
Kloster, J. 83  
Kluckow, S. 49  
Knauff, M. 30  
Knoeferle, P. 58  
Knoop, C.A. 26  
Knopp, B. 35, 81  
Knops, A. 83  
Kobald, S.O. 84  
Koch, D. 83  
Koch, I. 26, 42, 54, 55, 69, 71  
Koester, D. 35, 65  
Kopp, B. 45  
Koranyi, N. 71, 80  
Körner, A. 49  
Kornmeier, J. 44  
Kovacevic, I. 67  
Kozlik, J. 42, 65  
Kracht, F. 77  
Kraemer, P.M. 79  
Krajbich, I. 47  
Krala, M. 81  
Krasotkina, A. 77  
Kraus, J.M. 88  
Krause, D. 34  
Krause, T. 39  
Kray, J. 55, 77, 87  
Krefeld-Schwalb, A. 40  
Kreitz, C. 29, 42, 74  
Krems, J.F. 30, 54, 67, 68  
Kretschmer, F. 88  
Kreutzfeldt, M.E. 26  
Krishna, A. 75  
Krist, H. 77  
Kroiss, A. 58  
Kroneisen, M. 31  
Krügel, A. 76  
Krüger, A. 48  
Krüger, M. 77, 80  
Kubicek, C. 77  
Kübler, S. 86  
Kuhbandner, C. 42  
Kuhlen, A.K. 43  
Kuhlmann, B.G. 66, 67, 73  
Kühnel, A. 72  
Kukken, N. 66  
Kunde, W. 28, 30, 36, 46, 61, 72, 81, 84  
Künstler, E.C. 49  
Küper, K. 84  
Kurz, J. 36, 71  
Lábadi, B. 61, 89  
Lach, B. 20  
Lachmair, M. 61

- Lachmann, T. 70  
 Laeng, B. 62  
 Lahmer, M. 34  
 Lammers, J. 66  
 Lange, F. 45  
 Langner, R. 36  
 Langsdorf, L. 55  
 Lansner, J. 48  
 Lappe, M. 39  
 Laub, R. 86  
 Laubrock, J. 33  
 Leder, H. 33, 60, 70  
 Lee, M.M. 54  
 Lehner, O. 83  
 Leinberger, S. 61  
 Lemhöfer, K. 56  
 Lepp, F. 59  
 Lerche, V. 58, 87  
 Leuker, C. 47  
 Leuthold, H. 59  
 Lezkan, A. 26  
 Liebherr, M. 46, 47  
 Liefoghe, B. 51, 82  
 Liegl, S. 42, 61  
 Liepelt, R. 36, 81  
 Liesefeld, A.M. 83  
 Liesefeld, H. 46, 52  
 Liesefeld, H.R. 25, 46, 53, 83  
 Lin, H. 53  
 Linne, R. 68, 69  
 Liu, T. 72  
 Llompарт, M. 56  
 Loderer, K. 42  
 Lohaus, D. 35  
 Löhl, V. 71  
 Lohmann, J. 27  
 Lohse, J. 73  
 Lombardi, L. 23  
 Lörch, L. 35  
 Lorenz, C. 55  
 Lorenzen, J. 68  
 Lu, Z. 21  
 Ludwig, J. 53  
 Lukács, G. 88  
 Lüken, M. 63  
 Lustig, C. 78  
 Lynn, H. 37  
 Mach, S. 68  
 Mack, W. 84  
 Maiello, G. 36, 46  
 Maier, M. 79  
 Maier, M.E. 86  
 Makarina, N. 38  
 Malek, S. 59  
 Männel, C. 56  
 Manzey, D. 81, 82  
 Maran, T. 42, 61  
 Marberg, I. 43  
 Marhenke, R. 32  
 Marius, G. 79  
 Martini, M. 32  
 Martiny-Huenger, T. 71  
 Mascelloni, M. 78  
 Maschmann, I. 69  
 Mata, R. 27  
 Mathôt, S. 62, 64  
 Matuz, A. 41, 61, 89  
 Maurer, H. 36, 71  
 Maurer, L.K. 36, 71  
 Mayr, S. 26, 38  
 Mayr, U. 53  
 McGettigan, C. 79  
 McQueen, J. 56  
 Medendorp, P.W. 36  
 Meier, B. 45  
 Meilinger, T. 56, 66  
 Meiran, N. 40, 82  
 Meiser, T. 78  
 Meissner, F. 79  
 Meisters, J. 25  
 Melcher, D. 76  
 Memmert, D. 29, 37, 42, 74  
 Menninghaus, W. 20, 26  
 Mertens, U. 63  
 Mertens, U.K. 63  
 Merz, S. 38  
 Meshi, D. 39  
 Metzger, A. 26  
 Meyen, S. 44, 63  
 Meyerhoff, H.S. 38  
 Michael, L. 61  
 Michalke, M. 62  
 Mierop, A. 66  
 Mieth, L. 74, 80  
 Mikheeva, M. 72  
 Miller, C.A. 21  
 Miller, J. 51  
 Minge, M. 88  
 Mitrovic, A. 70  
 Mitschke, V. 49  
 Mittelstädt, V. 41, 51  
 Moeller, B. 86  
 Moeller, K. 59, 87  
 Mohler, B. 56  
 Möller, M. 38  
 Montag, C. 79  
 Morgenstern, Y. 72  
 Moutsopoulou, K. 71  
 Muehl, K. 41  
 Mueller, A.L. 54

## Author index

- Mueller, J.L. 56, 78  
Mueller, R. 59  
Mühl, C. 20  
Müller, F. 20, 81  
Müller, H. 36, 71  
Müller, H.J. 46, 53, 83  
Müller, J. 30, 59, 78  
Müller, L. 77  
Müller, R. 34, 82  
Müller, S.M. 47, 73  
Müller-Bardorff, M. 83  
Müller-Plath, G. 88  
Münster, K. 58  
Münzer, S. 35  
Munzert, J. 36, 71, 82  
Musch, J. 25, 49  
Müsseler, J. 35, 65  
Nadarevic, L. 57  
Naefgen, C. 40  
Nagels, A. 58  
Nagy, S. 61  
Naumann, T. 36  
Nees, F. 32, 79  
Neidhardt, E. 87  
Neth, H. 57  
Nett, N. 80  
Nett, T. 53, 80  
Neubauer, A.B. 87  
Neubert, C.R. 44  
Neumann, R. 65  
Nguyen, H.T. 58  
Niccolai, V. 85  
Nie, Q. 53  
Niedeggen, M. 55  
Noack, H. 22  
Nolden, S. 54  
Nooij, S. 26  
Nuszbaum, M. 38, 39  
Nuthmann, A. 75  
Oberauer, K. 53, 88  
Oberauer, K. 39  
Oberem, J. 54  
Oberfeld, D. 34  
Ochsenkühn, S. 40  
Oehl, M. 23, 29, 48, 54  
Oestermeier, U. 59  
Oettingen, G. 75  
O'Hora, D. 23  
Olivers, C.N. 53  
Olschowski, P. 68  
Omerzu, T. 57  
Opitz, B. 62  
Orscheschek, F. 22  
Orsi, G. 61  
Ortlieb, M. 78  
Ortlieb, S.A. 20  
Ossandón, J.P. 82  
Öttl, A. 72  
Öttl, B. 59  
Ovalle Fresa, R. 22, 70  
Pachalli, T. 58  
Pachur, T. 40, 47, 53, 54  
Padke, S. 80  
Paelecke, M. 52  
Palazova, M. 50  
Papenmeier, F. 32, 38, 85  
Pärsch, N. 54  
Pastötter, B. 86  
Paulun, V.C. 36, 46, 70  
Paulus, A. 42  
Pazen, M. 82  
Pekrun, R. 42  
Perlaki, G. 61  
Pessach, D. 63  
Peterlein, C. 77  
Peters, B. 31, 40, 46  
Pfeuffer, C. 70, 71  
Pfister, R. 28, 36, 46, 61, 81  
Philipp, A. 69  
Pieczykolan, A. 41, 42  
Pietrowsky, R. 28  
Pietsch, S. 33  
Pimpini, L. 78  
Pittino, F. 24, 64  
Pittrich, K. 56  
Pleskac, T.J. 40, 47, 53  
Plessow, F. 65  
Poeppel, D. 76  
Pohr, C. 29  
Poljac, E. 42  
Pollmann, S. 53  
Polzien, A. 74  
Pomp, J. 81  
Popp, M. 85  
Posten, A. 54  
Poth, C.H. 51, 85  
Prager, J. 80  
Prokott, K.E. 60  
Pryslopska, A. 76  
Pugnaghi, G. 42  
Pulvermüller, F. 85  
Pum, K. 69  
Quevedo Pütter, J. 22  
Raab, M. 21  
Rabovsky, M. 49  
Radev, S. 63  
Radüntz, T. 88  
Raettig, T. 36, 46  
Rahlenbeck, M. 34  
Rahm, B. 31, 40, 46



- Rahona López, J.J. 78  
 Ralph-Nearman, C. 50  
 Ramezanpour, H. 79  
 Rausch, M. 44  
 Rebitschek, F.G. 73  
 Redlich, D. 29  
 Reeder, R.R. 53  
 Rees, J. 75  
 Reibke, J. 67  
 Reich, L. 88  
 Reichenbach, A. 52  
 Reimer, C.B. 74  
 Reinhard, R. 70  
 Reinisch, E. 56  
 Reinprecht, K. 24  
 Reiser, J.E. 74  
 Reissland, J. 81, 82  
 Reuschenbach, M. 68  
 Reuss, H. 72, 84  
 Révész, G. 61  
 Rey, G. 31, 55, 72  
 Rey-Mermet, A. 45, 51  
 Rickard, T. 22  
 Riechelmann, E. 46  
 Rieger, J.W. 74  
 Rieger, M. 36, 71  
 Rieger, T. 41  
 Ries, F. 68  
 Rieskamp, J. 40, 47  
 Rinas, R. 80  
 Ritter, H. 77  
 Robaina Fernández, M. 61  
 Roche, F. 48  
 Röer, J.P. 39, 40, 74  
 Roesch, S. 87  
 Rohleder, N. 22  
 Rohr, L. 50  
 Rohr, M. 89  
 Röhrdanz, N. 68  
 Roland, T. 57  
 Rolfs, M. 51  
 Rolke, B. 62, 83, 84  
 Rose, S. 49  
 Röser, F. 35, 79  
 Rösler, F. 53  
 Roth, J. 79  
 Roth, M. 83  
 Rothen, N. 22, 70  
 Rothermund, K. 80  
 Rothe-Wulf, A. 43  
 Röthlisberger, M. 77  
 Röttger, E. 78, 79, 81, 82  
 Rück, F. 59  
 Rudolf, K. 55  
 Ruessmann, J.K. 55  
 Ruge, H. 70  
 Ruiz Fernández, S. 78  
 Rummel, J. 27, 62  
 Rummer, R. 42  
 Runge, Y. 22  
 Rüsseler, J. 78  
 Rutter, L. 28  
 Sabah, K. 82  
 Sachse, P. 32, 42, 61  
 Sack, O.S. 81  
 Said, N. 73  
 Sanwald, S. 79  
 Sassenhagen, J. 58, 59, 69, 76  
 Schaadt, G. 87  
 Schacht, A. 50  
 Schack, T. 22, 27, 35, 37, 65, 71  
 Schäfer, J. 48  
 Schäfer, S. 54, 55, 75  
 Schapansky, E. 49  
 Schaper, M. 67  
 Scharf, S.E. 57  
 Scharinger, C. 61, 64  
 Scharlau, I. 48  
 Scheer, M. 73  
 Schegner, L. 34  
 Scheibehenne, B. 24, 40  
 Scheil, J. 82  
 Schenk, T. 55  
 Schepens, J.J. 56  
 Scherbaum, S. 22, 23, 28, 57, 63, 80  
 Scherer, D. 28  
 Schewe, F. 54  
 Schilling, T. 33  
 Schimpf, N. 62  
 Schindler, S. 50  
 Schlegelmilch, R. 29  
 Schliewe, C. 58  
 Schloßmacher, I. 61  
 Schlotz, W. 26  
 Schlüter, H. 32  
 Schmalfuß, F. 68  
 Schmid, A.C. 43  
 Schmidt, F. 70, 72  
 Schmidt, J.R. 51  
 Schmidts, C. 65  
 Schmitz, F. 88  
 Schneider, C. 69  
 Schneider, D. 46, 60  
 Schneider, W.X. 52, 85  
 Schnitzler, A. 85  
 Schnuerch, M. 25  
 Schnürch, R. 29, 42, 74  
 Schoemann, M. 28, 57, 63  
 Scholz, A. 30  
 Scholz, S. 32

## Author index

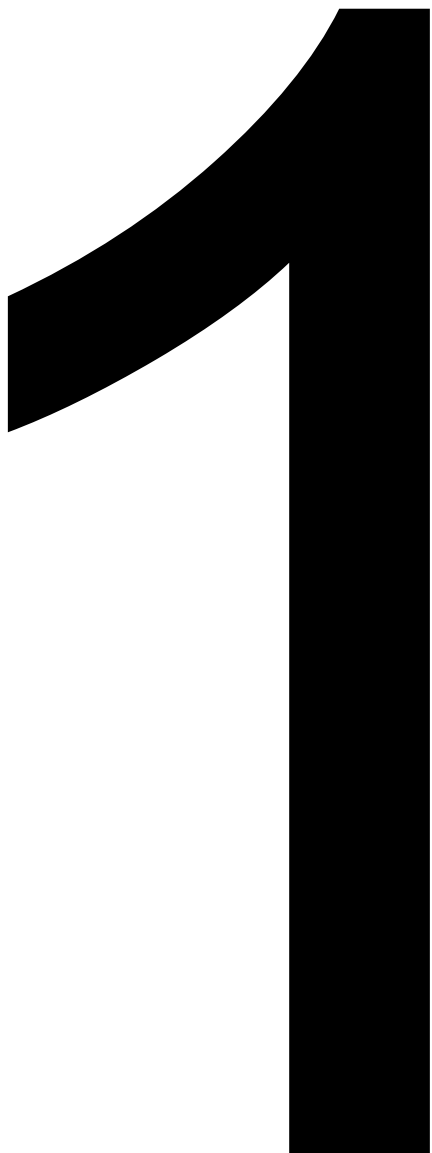
- Schonard, C. 69  
Schönfeldt-Lecuona, C. 79  
Schöpfer, L. 60  
Schorn, R. 38  
Schrater, P. 21  
Schreckenbach, F.A. 80  
Schröder, F. 88  
Schroeder, C. 59  
Schroeder, S. 56  
Schubert, A. 31, 58  
Schubert, M. 81  
Schubert, P. 47  
Schubert, S. 54  
Schubert, T. 22, 59, 62, 64, 74, 86  
Schuberth, S. 78  
Schubö, A. 27, 29, 31, 35, 60, 83  
Schug, S. 34  
Schul, K. 37  
Schülke, R. 45  
Schulte-Mecklenbeck, M. 23, 41  
Schultz, J. 55  
Schulze, C. 53  
Schumacher, P.B. 46  
Schurer, T.R. 62  
Schütz, A.C. 29, 33, 34, 39, 51  
Schütz, C. 21, 22, 65, 81  
Schütz, I. 64  
Schütz-Bosbach, S. 71  
Schwab, M. 49  
Schwanecke, U. 85  
Schwarz, K.A. 46, 81  
Schwarzer, G. 60, 77, 78, 87  
Schwarzkopp, T. 53  
Schween, R. 21, 55  
Schweer, B. 29  
Schweitzer, J. 38  
Schweitzer, R. 51  
Schwenke, D. 80  
Schwippert, S. 55  
Seegelke, C. 36  
Seelig, S.A. 76  
Seer, C. 45  
Seibold, J.C. 54  
Seibold, V.C. 34, 62, 84  
Seib-Pfeifer, L. 79  
Selen, L. 36, 52  
Senftleben, U. 57  
Senkowski, D. 20  
Sensoy, Ö. 60  
Serra, Q. 80  
Sevincer, T. 75  
Shahal, A. 88  
Shaki, S. 86  
Sherman, J.W. 69  
Shevchenko, Y. 63  
Siehl, S. 32  
Sierk, A. 32  
Sim, E. 62  
Simon, O. 41, 61  
Singh, T. 86  
Singmann, H. 39, 40  
Sinner, K. 22  
Sionti, M. 37  
Sklarek, B. 30  
Söllner, A. 27  
Soutschek, A. 64  
Speekenbrink, M. 57  
Spektor, M.S. 40  
Spence, C. 20, 38  
Spengler, M. 37  
Spivey, M.J. 28  
Sprengel, M. 84  
Sprenger, S. 69  
Stahl, C. 24  
Stahl, J. 21  
Starr, G.G. 21  
Stefani, M. 84  
Stehlau, S. 30  
Stein, M. 58  
Steinborn, M.B. 36, 37  
Steindorf, L. 62  
Steines, M. 58, 80  
Steingroever, H. 54  
Steinhauser, M. 40, 47, 52, 85, 86  
Steinke, A. 45  
Stephan, D.N. 26, 42  
Sternad, D. 27  
Sterzer, P. 44  
Stewart, E.E. 51  
Stimm, D. 48  
Stöckigt, G. 57  
Stoeger, H. 87  
Stoll, T. 80  
Strack, F. 75  
Straub, E. 37  
Straube, B. 20, 45, 58, 80, 82  
Straube, T. 61, 83  
Strauch, C. 64  
Strickrodt, M. 66  
Strobach, T. 22, 59, 86  
Stroth, S. 32  
Strozyk, J. 58, 59  
Stumpen, H. 29  
Stürmer, B. 50  
Suarez Ramirez, P. 78  
Suggate, S. 87  
Suljic, K. 82  
Sulpizio, S. 23  
Sülzenbrück, S. 35  
Sutter, C. 23, 29, 35, 48, 54, 81

- Tamura, H. 60  
 Taylor, J.A. 21  
 Teige-Mocigemba, S. 69  
 Teixeira, C. 66  
 Telatar, E. 70  
 Tempel, T. 22  
 Tettamanti, M. 58  
 Theeuwes, J. 19  
 Thiemann, M. 35  
 Thier, P. 79  
 Thies, B. 56  
 Thomaschke, R. 41, 59  
 Thönes, S. 62, 84  
 Thüring, M. 48, 88  
 Tiede, K. 58  
 Tiffin-Richards, S.P. 56  
 Timm, J.D. 32  
 Töllner, T. 47  
 Tomat, M. 84  
 Topolinski, S. 55  
 Topp, L. 80  
 Toscano, J.C. 28  
 Trahms, C. 88  
 Trapp, A.K. 67, 88  
 Trapp, S. 65  
 Trehub, S. 77  
 Troje, N.F. 71  
 Trumpf, N.M. 84  
 Tschech, K. 23  
 Tschense, M. 78  
 Tünnermann, J. 48  
 Turowski, B. 58  
 Ugurlar, P. 54  
 Uhlig, M. 71  
 Uhlmann, L. 82  
 Ulbrich, P. 37  
 Ullrich, S. 42  
 Undorf, M. 27, 32, 66  
 Unkelbach, C. 66  
 Unni, A. 74  
 Urbas, L. 34  
 Utz, S. 59  
 Vallesi, A. 45  
 Valsecchi, M. 51  
 Valuch, C. 82  
 van der Meer, E. 87  
 Van Dessel, P. 65  
 van Kemenade, B. 39, 45, 81  
 van Steenbergen, H. 64, 65  
 Ventura-Bort, C. 65  
 Vesker, M. 78  
 Vessel, E.A. 21  
 Veto, P. 71  
 Vö, M.L. 34, 59  
 Voelcker-Rehage, C. 60  
 Vogel, D. 23  
 Vogel, T. 69  
 Vogelpohl, T. 48  
 Volk, G. 42  
 Vollrath, M. 23, 24, 35, 48, 54  
 Volz-Sidiropoulou, E. 67  
 von Castell, C. 34, 85  
 von der Burchard, L. 68  
 von Georgi, R. 68  
 von Helversen, B. 29, 40, 72, 73  
 von Heydebreck, M. 35  
 von Kalckreuth, N. 67  
 von Krause, M. 58  
 von Luxburg, U. 44  
 von Salm, S. 54  
 von Sydow, M. 39  
 Voormann, A. 62  
 Voracek, M. 83  
 Voss, A. 58, 60, 63, 87  
 Voudouris, D. 39  
 Vujosevic, D. 67  
 Vukelic, M. 74  
 Wagner, I. 34  
 Wagner, V. 26  
 Wahl, S. 33  
 Walle, A. 84  
 Wallot, S. 20  
 Wänke, M. 69  
 Wardhani, I. 64  
 Wardhani, I.K. 62  
 Wascher, E. 41, 46, 60, 84  
 Waszak, F. 71  
 Weber, P. 29  
 Weber, S. 23  
 Weber, T. 82  
 Wechsler, K. 60  
 Weckwerth, C. 82  
 Wegmann, E. 47  
 Weigelt, M. 34, 37, 74, 81  
 Weiland-Breckle, H. 46  
 Weilbacher, R.A. 47  
 Weise, L. 25  
 Weller, L. 36, 46, 81  
 Welsch, R. 85  
 Wendebourg, K. 59  
 Wendt, M. 45, 61, 84  
 Wengemuth, E. 35  
 Wenmackers, S. 40  
 Wentura, D. 28, 75, 89  
 Wesslein, A. 38  
 Weyer, T. 41  
 Weymar, M. 65  
 Widenhorn-Müller, K. 79  
 Wiebking, C. 50  
 Wiegmann, M. 57

## Author index

- Wienrich, C. 67, 88  
Wienß, E. 82  
Wiersema, R. 65  
Wiesmann, S. 34  
Wiley, J. 30  
Wilhelm, O. 88  
Willems, T. 55  
Willenbockel, V. 34  
Williams, J. 30  
Willing, S. 25  
Willrodt, U. 24  
Winiger, S. 39  
Winkler, S. 35  
Wirth, B.E. 89  
Wirth, R. 28, 61  
Wirzberger, M. 31, 55  
Wiswede, D. 78  
Witte, O. 49  
Wittsack, H. 58  
Witzel, C. 70  
Witzlack, C. 54  
Woirgardt, M. 87  
Wolf, C. 29  
Wolf, E. 67, 68  
Wolff, F. 21  
Wolpert, D. M. 18  
Wong-Lin, K. 23  
Wortelen, B. 34  
Wühr, P. 89  
Wulff, D.U. 23, 27, 40  
Wulff, L. 73  
Wurm, F. 47  
Wyrobnik, M. 87  
Yan, C. 46  
Yan, F. 41  
Zabicki, A. 36, 82  
Zander, S. 72  
Zehetleitner, M. 44  
Zerweck, I. 63  
Zgonnikov, A. 23  
Zhang, J. 24  
Zhang, M. 74  
Zhao, F. 57, 78, 79, 81, 82  
Zickerick, B. 84  
Zilker, V. 40  
Zimdahl, M.F. 32  
Zimmer, H. 77  
Zimmermann, K.M. 32  
Zöller, A.C. 60  
Zsidó, A.N. 61, 89  
Zürn, M. 54, 69

5



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