Programme

of the 60\textsuperscript{th} Conference of Experimental Psychologists

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

March, 11\textsuperscript{th} to 14\textsuperscript{th}
Marburg, Germany
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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

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.

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 (2nd 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 13th, 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 fist 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 “Weinlädele”. 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)

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 28th 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 12th, 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 13th, 17:00 - 18:30 in Room 02/0110
Felix Henninger
## Food and drinks

<table>
<thead>
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<th>Address</th>
<th>Phone</th>
<th>Cuisine</th>
<th>Price range</th>
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<tr>
<td>5 Jahreszeiten</td>
<td>Reitgasse 5</td>
<td>06421 8868988</td>
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<td>06421 1664299</td>
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<td>06421 1657845</td>
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<td>06421 992591</td>
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<td>06421 24266</td>
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<td>06421 3400808</td>
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<td>06421 14244</td>
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# Programme overview

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<tr>
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<th>Event</th>
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<tr>
<td>18:00</td>
<td>Sunday, 11.03.2018</td>
<td>Pre-conference welcome evening</td>
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<tr>
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<td>Monday, 12.03.2018</td>
<td>Talk session</td>
<td>Lecture rooms</td>
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<td>Monday, 12.03.2018</td>
<td>Keynote lecture: Daniel Wolpert: Probabilistic models of sensorimotor control and decision making</td>
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<td>Keynote lecture: Mary Hayhoe: Control of Attention in Natural Environments</td>
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* requires special ticket
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<td>01/0010</td>
<td>Perception: Auditory and Multisensory</td>
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<td>01/0020</td>
<td>Investigating cognitive processes using mouse-tracking: Methodology, modeling, and applications I*</td>
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<tr>
<td>01/0030</td>
<td>Ungeschützte Verkehrsteilnehmer*</td>
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<td>01/0070</td>
<td>No-Data Session*</td>
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<td>Lost for words - A symposium on the relationship between language and perception*</td>
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<tr>
<td>00/0030</td>
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<td>Lost for words - A symposium on the relationship between language and perception*</td>
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**Monday, 10:30 - 12:00**

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

- Investigating cognitive processes using mouse-tracking: Methodology, modeling, and applications II*
- Riskantes Verhalten und Unfälle im Verkehr*
- Reward and Motivation
- Reasoning

**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*
- Cognitive Models in Judgment and Decision Making*
- Traffic psychology
- Lost for words - A symposium on the relationship between language and perception*

**Programme overview**

**Monday, 19:00, 00/0020, Fachgruppentreffen**
**Programme overview**

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<th>Time</th>
<th>Symposium</th>
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<td>00/0020</td>
<td>Perception: Visibility and Awareness</td>
<td>Going where no researcher has gone before cognitive control without homunculus? I*</td>
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<td>Mensch-Maschine-Interaktion im Zuge der Automatisierung und Vernetzung von Fahrzeugen I*</td>
<td>Recent advances in TVA-based visual attention research*</td>
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<td>Aggression and Morality</td>
<td>Emotion in words: Shedding light on emotional language production, perception and evaluation.*</td>
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**Tuesday, 10:30 - 12:00**

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**Tuesday, 13:30 - 15:00, Keynote lecture Mary Hayhoe**

**Tuesday, 15:00 - 17:00, Poster session**

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* Symposium

**Perception: Features and Objects**
- Instruction, intention, imagery, and observation: How non-action shapes human behavior*
- Action and perception I
- Learning
- Decision making III
- Neuroergonomics: Using neuroscientific methods to understand the brain at work*
- Visual attention I
- Self-regulation
- Eye movements and Reading

**Speakers**
- Paulun
- Pfeuffer
- Schack
- Ferdinand
- Rebischek
- Chuang, Ihme
- Bell
- Sevincer
- Huber-Huber

**Perception: High-level**
- Sensory and motor foundations of conceptual cognition*
- Action and perception II
- Development and Ageing
- Diffusion Modeling*
- Cognition and Emotion in Human-Machine Interaction*
- Visual attention II

**Speakers**
- Papenmeier
- Kiefer
- Pastötter
- Jovanovic
- Leiche, Voss
- Brandenburg, Trapp, Minge, Thüring
- Wühr
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 of 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

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 Dietrich¹, Ingo Hertrich² & Hermann Ackermann²
¹Universität Tübingen, Fachbereich Psychologie, Evolutionäre Kognition (Kognitionswissenschaft); ²Universität Tübingen, Neurowissenschaften

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 Keil¹ & Daniel Senkowski²
¹Christian-Albrechts-Universität Kiel, Biologische Psychologie; ²Charité - Universitätsmedizin Berlin, Klinik für Psychiatrie und Psychotherapie

09:45 Auditory contributions to visual anticipation in tennis
Rouwen Cañal-Bruland¹, Florian Müller¹, Björn Lach¹ & Charles Spence²
¹Friedrich Schiller University Jena, Department of Sport Psychology; ²University of Oxford, Department of Experimental Psychology

Symposium
Experimentelle Aesthetik / Experimental Aesthetics I

00/0030

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 Vessel¹, Ilkay Isik¹, Amy Belfi², Jonathan Stahl³ & G. Gabrielle Starr⁴  
¹Max Planck Institute for Empirical Aesthetics, Department of Neuroscience; ²New York University, Department of Psychology; ³Ohio State University, Psychology; ⁴Pomona 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**  
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 Khoozani¹, Mathias Klinghammer², Paul Schrater³, Dominik Endres⁴,  
Katja Fiehler² & Gunnar Blohm⁵  
¹Queen’s University, Center for Neuroscience; University of Giessen; ²University of Giessen; ³University of Minnesota; ⁴University of Marburg; ⁵Queen’s University

09:15  **A sensorimotor prior for successful reaches**  
Nienke B Debats¹ & Herbert Heuer²  
¹Bielefeld University, Cognitive Neurosciences & CITEC; ²Leibniz Research Centre for Working Environment and Human Factors

09:30  **Learning opposing visuomotor rotations in a single visuomotor map**  
Raphael Schween¹, Jordan A Taylor² & Mathias Hegele¹  
¹Justus-Liebig-University, Department of Psychology and Sport Science, Neuromotor Behavior Laboratory; ²Princeton University, Department of Psychology, Intelligent Performance and Adaptation Laboratory
Talks, Monday, 08:30 - 10:00

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

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 Noack¹, Christian F. Doeller² & Jan Born³
       ¹University Tübingen, Medical School Department of Psychiatry; ²Trondheim University Hospital, Kavli Institute for Systems Neuroscience; ³University 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 Orscheschek¹, Timothy Rickard², Torsten Schubert³ & Tilo Strobach¹
       ¹Medical School Hamburg, Department of Psychology; ²University of California San Diego, Department of Psychology; ³Martin-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 Scherbaum¹ & Maja Dshemuchadse²
       ¹Technische Universität Dresden, Department of Psychology; ²Hochschule Zittau/Görlitz, Department of Social Sciences
08:45 **Mousetrap: An R package to process, analyse, cluster, and visualize hand- and mouse-trajectories**
Jonas MB Haslbeck¹, Dirk U Wulff², Pascal J Kieslich³, Felix Henninger⁴ & Michael Schulte-Mecklenbeck⁵
¹University of Amsterdam; ²University of Basel; ³University of Mannheim; ⁴University of Koblenz-Landau; ⁵University of Bern

09:00 **Investigating the relationship between confidence and manual movement during decision making**
Denis O’Hora¹, Arkady Zgonnikov², Aisling Kenny¹ & Kongfatt Wong-Lin³
¹National University of Ireland, Galway School of Psychology; ²University of Aizu, Complex Systems Modeling Laboratory; ³Ulster 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 Calcagni¹, Luigi Lombardi¹, Marco D’Alessandro¹ & Simone Sulpizio²
¹University of Trento, Department of Psychology and Cognitive Science; ²Vita-Salute S. Raffaele University, Faculty of Psychology

09:45 **Dissociating Decision Strategies in Free-Choice Tasks – A Mouse Tracking Analysis**
Diana Vogel¹, Stefan Scherbaum¹ & Markus Janczyk²
¹Technische Universität Dresden, Department of Psychology; ²Eberhard Karls University Tübingen, Department of Psychology

**Symposium**

**Ungeschützte Verkehrsteilnehmer**

**01/0030** Anja K. Huemer, Michael Oehl & Christine Sutter

08:30 **Warum passieren Unfälle mit ungeschützten Verkehrsteilnehmern?**
Stefanie Weber¹, Karen Tschech¹ & Kristin Blum²
¹Universitätsklinikum Regensburg, AARU Verkehrsunfallforschung; ²AUDI AG, AARU Verkehrsunfallforschung

08:45 **Abgelenkte Fußgänger: eine Beobachtungsstudie**
Mark Vollrath, Kilian Heuer & Anja Katharina Huemer
Technische Universität Braunschweig, Institut für Psychologie Ingenieur- und Verkehrspychologie

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 linksabbiegenderen 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\(^1\) & Anja Katharina Huemer\(^2\)
\(^1\)Inspectio Forschungsinstitut; \(^2\)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\(^1\) & Géraldine Coppin\(^2\)
\(^1\)University of Geneva, Geneva School of Economics and Management; \(^2\)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)
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| 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 Kim¹, Ute Gabriel¹ & Pascal Gygax²  
¹Norwegian University of Science and Technology, Department of Psychology;  
²University 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 Janczyk¹ & Heinrich René Liesefeld²  
¹Eberhard Karls University of Tübingen, Department of Psychology;  
²Ludwig-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

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. Stephan¹, Edina Fintor¹, Magali E. Kreutzfeldt² & Iring Koch¹
¹RWTH Aachen University; ²IfADo

10:45  Commonalities and differences of auditory and visual negative priming
Susanne Mayr¹ & Axel Buchner²
¹University of Passau, Chair of Psychology and Human-Machine Interaction; ²Heinrich 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 Hecht¹, Behrang Keshavarz² & Suzanne Nooij³
¹Johannes Gutenberg-Universität Mainz; ²Toronto Rehabilitation Institute; ³Max-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

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 Menninghaus¹, Valentin Wagner¹, Vanessa Kegel¹, Christine A. Knoop¹ & Wolff Schlotz²
¹Max-Planck-Institute for Empirical Aesthetics, Department of Language and Literature; ²Max-Planck-Institute for Empirical Aesthetics, Labs and Methods
Talks, Monday, 10:30 - 12:00

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 Wulff¹, Thomas T Hills² & Rui Mata¹
¹University of Basel; ²University 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
11:15  **Combining the post-cue task and the perceptual identification task to investigate parallel activation and mutual facilitation in semantic priming**
Demian Scherer\(^1\) & Dirk Wentura\(^2\)
\(^1\)University of Münster, Department of Psychology; \(^2\)Saarland University, Department of Psychology

11:30  **Nighttime sleep benefits prospective memory by improving its prospective component**
Mateja F. Böhm\(^1\), Ute J. Bayen\(^1\) & Reinhard Pietrowsky\(^2\)
\(^1\)Heinrich-Heine-Universität Düsseldorf, Department of Mathematical and Cognitive Psychology; \(^2\)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**

01/0020  **Design factors (I): What influences trajectory curvature in mouse-tracking experiments?**
Pascal J. Kieslich\(^1\), Martin Schoemann\(^2\), Tobias Grage\(^2\) & Stefan Scherbaum\(^2\)
\(^1\)University of Mannheim, Department of Psychology; \(^2\)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\(^1\), Martin Schoemann\(^1\), Pascal J. Kieslich\(^2\) & Stefan Scherbaum\(^1\)
\(^1\)Technische Universität Dresden, Department of Psychology; \(^2\)University of Mannheim, Department of Psychology

11:00  **Gaussian Process Modeling of Preferential Choice Dynamics**
Mary Frame\(^1\), Joseph Houpt\(^2\) & Joseph Johnson\(^3\)
\(^1\)Wright State University, Wright State Research Institute; \(^2\)Wright State University, Department of Psychology; \(^3\)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\(^1\), Michael J Spivey\(^1\) & Joseph C Toscano\(^2\)
\(^1\)University of California Merced, Cognitive and Information Sciences; \(^2\)Villanova University, Psychological and Brain Sciences

11:30  **Discussion**
Stefan Scherbaum\(^1\) & Pascal J. Kieslich\(^2\)
\(^1\)Technische Universität Dresden, Department of Psychology; \(^2\)University of Mannheim, Department of Psychology
Symposium
Riskantes Verhalten und Unfälle im Verkehr

01/0030  Michael Oehl, Anja K. Huemer & Christine Sutter
10:30  Querschnittliche Analyse des Jugendlichkeitsrisiko junger
Verkehrsteilnehmer
Heinz Albert Stumpen¹, Benedikt Schweer¹, Guido Kattert¹, Birgitt Erdwien² &
Christine Sutter¹
¹Deutsche Hochschule der Polizei, Fachgebiet II.4 Verkehrswissenschaft &
Verkehrspsychologie; ²Erdwien-Consult

10:45  Längsschnittliche Analyse von Jugendlichen zu Ihren Einstellungen zum
Fahren und zur Automobilität
Benedikt Schweer¹, Birgit Erdwien², Guido Kattert¹, Heinz Albert Stumpen¹ &
Christine Sutter¹
¹Deutsche Hochschule der Polizei, Fachgebiet II.4 Verkehrswissenschaft &
Verkehrspsychologie; ²Erdwien Consulting

11:00  Validierung der Driving Anger Scale (DAS) für deutsche Autofahrer
Michael Oehl¹ & Stefan Brandenburg²
¹Leuphana Universität Lüneburg; ²Technische Universität Berlin

11:15  Studie zu Warnwirkung und Akzeptanz von haptischem Feedback am
Gaspedal im Kontext von Fahrerassistenzsystemen
Martin Brockmann¹ & Pia Weber²
¹Allround Team GmbH Automotive HMI Development; ²Allround 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 Redlich¹, Carina Kreitz¹, Daniel Memmert¹ & Robert Schnürch²
¹German Sport University Cologne, Institute of Training and Computer Science in Sport;
²University 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 Jurczyk¹, Kerstin Froeber¹ & Gesine Dreisbach²
¹University of Regensburg, Chair for General and Applied Psychology (Prof. Dr. Dreisbach); ²University 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

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 Klichowicz¹, Sascha Stehlau², Josef F. Krems¹ & Agnes Scholz³
¹Technische Universität Chemnitz, Department of Psychology; ²University of Kassel, Department of Psychology; ³University 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
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<td>The Influence of Perceived Remorse on Source Memory for Faces: A Multinomial Processing Tree Approach</td>
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<td>Jana Berkessel¹ &amp; Friederike Funk²</td>
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<td>Testing enhances subsequent learning of spatial information in younger and older adults</td>
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<td>How does preparation in task switching affect subsequent memory performance?</td>
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<td>Guidance or Setting? Exploring the learnability of computer-based instructions in a construction task</td>
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<td>Shirin Esmaeili Bijarsari, Maria Wirzberger &amp; Günter Daniel Rey</td>
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<td>Binding between memory representations influences serial dependence</td>
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<td>Cora Fischer¹, Stefan Czoschke¹, Benjamin Peters¹, Benjamin Rahm², Jochen Kaiser¹ &amp; Christoph Bledowski¹</td>
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<td>¹Goethe-University, Institute of Medical Psychology; ²Albert-Ludwigs-University, Medical Psychology</td>
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<td>Drifting through the Noise – A diffusion model analysis of the interplay between processing and storage in working memory</td>
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<td>Separate and combined effects of action relevance and motivational value on visual working memory</td>
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<td>Part-List Cuing Impairment in Children: The Role of Encoding</td>
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<td>The influence of mood on memory for happy and sad faces</td>
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<td>Meike Kroneisen</td>
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Posters, Monday, 15:00 - 17:00

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 Siehl¹, Anika Sierk², James Bisby³, Frauke Nees⁴, Herta Flor⁴, John King⁵ & Neil Burgess³
¹University 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; ²University College London, Institute of Cognitive Neuroscience; Charité Universitätsmedizin Berlin; ³University College London, Institute of Cognitive Neuroscience; University College London, Institute of Neurology; ⁴University of Heidelberg, Central Institute of Mental Health, Department of Cognitive and Clinical Neuroscience; ⁵University 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

M-1-17 Altered network connectivity in ASD during emotional face processing
Robert Arent¹, Kristin M Zimmermann¹, Sanna Stroth², Inge Kamp-Becker² & Andreas Jansen¹
¹University of Marburg, Department of Psychiatry & Marburg Center for Mind, Brain and Behavior · MCMBB; ²Philipps-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)
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

Semantic not orthographic-phonological knowledge is implemented in context-based predictions during visual word recognition
Susanne Eisenhauer¹, Christian J. Fiebach² & Benjamin Gagli³
¹Goethe University Frankfurt, Department of Psychology; ²Goethe University, Department of Psychology; Center for Individual Development and Adaptive Education of Children at Risk (IDEA); Interdisciplinary Center for Neurosciences; ³Goethe University Frankfurt, Department of Psychology; Center for Individual Development and Adaptive Education of Children at Risk (IDEA)

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

Perceptual reliability in the scotopic foveal scotoma
Alejandro Hernán Gloriani & Alexander C Schütz
Philipps-University Marburg, Psychology Department-Sensomotoric learning

The effect of walking on human visual perception
Barbara Händel & Liyu Cao
University of Würzburg, Department of Psychology

Emotion-Induced Memory Modulation: Bimodal Integration and the Effects of Inhibitory Control
Lisa Christina Hasenbein & Arianne Herrera-Bennett
Ludwig-Maximilians-Universität, Psychology

Adaptation of depth ordering preferences during motion transparency
Byung-Woo Hwang & Alexander C. Schütz
Philipps-Universität Marburg, Allgemeine und Biologische Psychologie

Mental Rotation and Handedness: Differences in object-based and egocentric Transformations
Stefanie Pietsch & Petra Jansen
Universität Regensburg, Institut für Sportwissenschaft

Tinted lenses affect our physiological responses to affective pictures: An EEG/ERP study
Tim Schilling¹, Siegfried Wahl² & Lewis Chuang³
¹University of Tübingen, Institute for Ophthalmic Research; Department of Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics; ²University of Tübingen, Institute for Ophthalmic Research; Carl Zeiss Vision International GmbH; ³Department of Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics
The influence of lexicon size and font characteristics on information optimization in reading: an orthographic prediction model investigation
Simon Schug¹, Christian J. Fiebach² & Benjamin Gagl³
¹Department of Psychology, Goethe University Frankfurt; ²Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA); Interdisciplinary Center for Neuroscience Frankfurt; ³Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA)

Effects of eye height on the perception of interior space
Christoph von Castell, Heiko Hecht & Daniel Oberfeld
Johannes Gutenberg-Universität Mainz, Institute of Psychology

Timescales of different types of saccadic adaptation
Ilja Wagner & Alexander C. Schütz
Philipps-Universität Marburg, AG Allgemeine und Biologische Psychologie (AE Sensomotorisches Lernen)

Which information is diagnostic for efficient real-world scene categorization?
Verena Willenbockel¹, Sandro Wiesmann¹, Frédéric Gosselin² & Melissa L.-H. Võ¹
¹Goethe University Frankfurt, Department of Psychology; ²Département de Psychologie, Université de Montréal

The impact of shared mental models on team performance in a fault diagnosis task
Rica Bönsel¹, Luise Schegner², Sebastian Heinze², Leon Urbas² & Romy Müller¹
¹TU Dresden, Professur Ingenieurpsychologie und angewandte Kognitionsforschung; ²TU Dresden, Professur Prozessleittechnik

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

Predicting Visual Attention is not an easy Task - even for Experts!
Sebastian Feuerstack¹ & Bertram Wortelen²
¹OFFIS; ²Carl von Ossietzky Universität Oldenburg, Kognitive Psychologie

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

Looming sounds benefit emergency braking due to their saliency
Marie Lahmer¹, Lewis Chuang² & Verena Carola Seibold³
¹Max-Planck-Institut Biologische Kybernetik; ²Max Planck Institute for Biological Cybernetics; ³Eberhard 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 Thiemann¹, Sandra Sülzenbrück¹ & Christine Sutter²  
¹FOM Hochschule für Oekonomie & Management, iwpr Institut für Wirtschaftspychologie; ²Deutsche Hochschule der Polizei, Fachgebiet Verkehrswissenschaft & Verkehrspychologie

**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 Verkehrspychologie

**Motor control**

**M-2-11**  
**Perceived Ownership Influences Perspective Taking Towards Avatars**  
Christian Böffel & Jochen Müseler  
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-Vásquez¹, Eileen Wengemuth² & Anna Schubö²  
¹Department of Experimental Psychology and Cognitive Science, Justus Liebig University Giessen; ²Cognitive 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
Habit outweighs Planning in Grasp Selection for Object Manipulation
Oliver Herbort
Julius-Maximilians-Universität Würzburg, Department of Psychology

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

Weighting of vision and proprioception in post-stroke reach planning
Johannes Keyser¹, Noël L. W. Keijsers², Luc Selen¹ & Pieter W. Medendorp¹
¹Donders Institute for Brain, Cognition and Behaviour, Radboud University; ²Department of Research, Sint Maartenskliniek Nijmegen

Predicting how we grasp arbitrary objects
Lina Katharina Klein¹, Guido Maiello¹, Juan Chen², Vivian Charlotte Paulun¹, Jody C Culham² & Roland W Fleming¹
¹Justus-Liebig University Giessen, Department of Psychology; ²University of Western Ontario, Department of Psychology Brain and Mind Institute

Disarming the Gunslinger effect: Reaction beats intention for cooperative actions
Wilfried Kunde, Lisa Weller & Roland Pfister
University of Wuerzburg

When specific action biases meet nonspecific preparation: Event repetition modulates the variable-foreperiod effect
Robert Langner¹, Michael B. Steinborn², Simon B. Eickhoff¹ & Lynn Huestegge²
¹Heinrich Heine University Düsseldorf, Institute of Systems Neuroscience; ²University of Würzburg, Psychological Methods, Cognition, and Applied Research

Optimizing multitasking through our body: Reduced between-task interference when a single response hand is located close to the prioritized stimulus
Roman Liepelt¹ & Rico Fischer²
¹German Sport University Cologne, Performance Psychology; ²University of Greifswald, Psychology

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

The Hard Work of Doing Nothing: Accounting for Inhibitory Costs During Multiple Action Control
Tim Raettig & Lynn Huestegge
University of Würzburg, Institute for Psychology

Aftereffects of imagined inhibition
Martina Rieger & Stephan F. Dahm
UMIT

Delaying motor planning can reduce reaction times
Christian Seegelke & Tobias Heed
Bielefeld University, Department of Psychology
Correlation between linguistic classifications and psychological clusters
Marietta Sionti1 & Thomas Schack2
1“Neurocognition and Action - Biomechanics” Research Group-CITEC Bielefeld University;
2“Neurocognition and Action - Biomechanics” Research Group-CITEC, Faculty of
Psychology and Sport Sciences, Bielefeld, University Research Institute for Cognition and
Robotics CorLab-Bielefeld University

Post-Error Slowing: Theoretical Mechanisms and Principal Determinants
Michael B. Steinborn & Huestegge Lynn
University of Würzburg, Department of Psychology III

Is control of emotional disrupt valence specific?
Elisa Straub, Andrea Kiesel & David Dignath
Universität Freiburg, Institut für Psychologie, Abteilung für Allgemeine Psychologie

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

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

00/0020  Ann-Katrin Wesslein
17:00  Implied tactile motion: Localizing dynamic stimulations on the skin
Simon Merz¹, Hauke S. Meyerhoff², Charles Spence³ & Christian Frings¹
¹University of Trier; ²Leibniz-Institut für Wissensmedien; ³University of Oxford

17:15  Visual dominance in long-term memory for naturalistic scenes: Evidence from study-test congruency experiments
Hauke S. Meyerhoff¹, Frank Papenmeier² & Markus Huff³
¹Leibniz-Institut für Wissensmedien; ²University of Tübingen, Department of Psychology; ³Department 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 Jensen¹, Simon Merz¹, Charles Spence² & Christian Frings¹
¹University of Trier, Cognitive Psychology; ²University of Oxford, Crossmodal Research Laboratory

17:45  Do irrelevant conceptual features automatically trigger crossmodal response retrieval?
Julien Schweitzer¹, Ann-Katrin Wesslein² & Friedrich W. Hesse¹
¹Leibniz-Institut für Wissensmedien Tübingen; ²University of Tübingen

18:00  Object file binding of irrelevant auditory events: Evidence from the cross-modal oddball task
Malte Möller¹, Susanne Mayr¹ & Axel Buchner²
¹University of Passau, Chair of Psychology and Human-Machine Interaction; ²Heinrich-Heine University, Düsseldorf, Cognitive and Industrial Psychology

Talk session
Consumer psychology

00/0030  Mandy Nuszbaum
17:00  Mere selection increases the value of known products
Nadiia Makarina¹, Ronald Hübner² & Sebastian Dummel³
¹University of Konstanz, Cognitive Psychology and GSDS; ²University of Konstanz, Cognitive Psychology; ³Universität zu Köln, Differentielle Psychologie und Psychologische Diagnostik

17:15  Less is more! Cross-modal Effects of Music Event Rate on Product Perceptions
Robert Schorn¹, Alexandra Brunner-Sperdin² & Dagmar Abfalter³
¹UMIT - University for Health Sciences, Medical Informatics and Technology, Institute of Psychology; ²University of Applied Sciences, Kufstein; ³University of Music and Performing Arts
Talks, Monday, 17:00 - 18:30

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 Carbonell¹, Matthias Brand¹ & Dar Meshi²
¹University of Duisburg-Essen, General Psychology: Cognition; ²Michigan State University, Social and Media Neuroscience Lab

18:00  **Thinking Locally or Globally? – Trying to Overcome the Tragedy of Personnel Evaluation**
Momme von Sydow¹, Niels Braus² & Ulrike Hahn³
¹Ludwig-Maximilians-Universität München, MCMP; ²Ruprecht-Karls-Universität Heidelberg, Institut für Psychologie, Sozialpsychologie; ³Birkbeck College University of London, Department of Psychology

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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 Goettker¹, Doris I Braun², Alexander C Schütz³ & Karl R Gegenfurtner²
¹Justus-Liebig University, Experimental Psychology; ²Justus-Liebig University Giessen, Experimental Psychology; ³Philipps-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 Winiger¹, Henrik Singmann¹, David Kellen² & Klaus Oberauser¹
¹University of Zurich, Department of Psychology, Cognition Unit; ²Syracuse 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 Röer¹, Raoul Bell² & Axel Buchner²  
¹Witten/Herdecke University; ²Heinrich 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 Czoschke¹, Benjamin Rahm², Benjamin Peters¹, Jochen Kaiser¹ & Christoph Bledowski¹  
¹Goethe University, Institute of Medical Psychology; ²Albert-Ludwigs-University, Medical Psychology and Medical Sociology

Symposium  
**Cognitive Models in Judgment and Decision Making**  
01/0020 Henrik Singmann & Thorsten Pachur

17:00 **Moral bookkeeping: A cognitive model of moral judgments**  
Henrik Singmann¹, Igor Douven², Frank Hindriks³ & Sylvia Wenmackers⁴  
¹University of Zurich; ²CNRS/Paris-Sorbonne University; ³University of Groningen; ⁴KU 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 Albrecht¹, Janina A. Hoffmann², Timothy J. Pleskac³, Jörg Rieskamp¹ & Bettina von Helversen⁴  
¹University of Basel; ²University of Konstanz; ³Max Planck Institute for Human Development; ⁴University 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-Schwalb¹, Thorsten Pachur² & Benjamin Scheibeheenne¹  
¹University of Geneva, Geneva School of Economics and Management; ²Max 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**

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<tr>
<th>Time</th>
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<tr>
<td>17:00</td>
<td>Visuelle und akustische Ablenkung bei jungen und älteren Autofahrern im Fahrsimulator – eine EEG-Studie</td>
<td>Melanie Karthaus, Edmund Wascher &amp; Stephan Getzmann (Leibniz Research Centre for Working Environment and Human Factors (IfADo), Department of Ergonomics)</td>
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<tr>
<td>17:15</td>
<td>Blind Haste: As Light Decreases, Speeding Increases</td>
<td>Michael Schulte-Mecklenbeck¹ &amp; Emanuel DeBellis² (¹University of Bern; Max Planck Institute for Human Development; ²University of St. Gallen)</td>
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<tr>
<td>17:30</td>
<td>The anticipatory driving interval: the effect of cognitive load and cue characteristics</td>
<td>Kristin Muehl (Ulm University, Department Human Factors, Institute of Psychology and Education, Faculty of Engineering, Computer Science and Psychology)</td>
</tr>
<tr>
<td>17:45</td>
<td>Investigating the Influences of Time to Collision and Closing Speed on Driver Uncertainty in Lane Change Maneuvers</td>
<td>Fei Yan¹ &amp; Martin Baumann² (¹OFFIS- Institute for Information Technology; ²Ulm University)</td>
</tr>
<tr>
<td>18:00</td>
<td>Assessment tool for measuring a driver’s willingness of interaction</td>
<td>Jonas Imbsweiler, Jeanine Bachmann, Julius Braun, Tobias Weyer &amp; Barbara Deml (Karlsruhe Institute of Technology - ifab - Institute of Human and Industrial Engineering)</td>
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Talk session
**Divided attention**

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<tr>
<td>17:00</td>
<td>Fatigue and Resting Related Changes in a Dual-two-Back Task</td>
<td>András Matuz¹, Orsolya Simon¹, István Hernádi², Zsolt Kisander¹, Kázmér Karádi¹ &amp; Árpád Csáthó¹ (¹University of Pécs, Institute of Behavioural Sciences; ²University of Pécs, Department of Experimental Neurobiology)</td>
</tr>
<tr>
<td>17:15</td>
<td>Temporal predictability of between-task interference in dual tasking: Foreperiods as contextual cues modulate the backward compatibility effect</td>
<td>Victor Mittelstädt¹, Andrea Kiesel¹, Rico Fischer², Tobias Rieger¹ &amp; Roland Thomaschke¹ (¹University of Freiburg, Department of Psychology; ²University of Greifswald, Department of Psychology)</td>
</tr>
<tr>
<td>17:30</td>
<td>Sources of task prioritization: The interplay of response modalities and task order</td>
<td>Mareike Amelie Hoffmann, Aleks Pieczykolan &amp; Lynn Huestegge (University of Würzburg, Department of Psychology)</td>
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</tbody>
</table>
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**

01/0120  **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 Loderer¹, Christof Kuhbandner² & Reinhard Pekrun³
¹Ludwig-Maximilians-Universität München (University of Munich, LMU), Department of Psychology; ²Universität Regensburg, Institut für Experimentelle Psychologie, Lehrstuhl für Psychologie VI; ³Ludwig-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 Pugnaghi¹, Carina Kreitz¹, Daniel Memmert¹ & Robert Schnürch²
¹German Sport University Cologne, Institute of Training and Computer Science in Sport; ²University 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 Exner¹, Andrea Paulus² & Julia Kozlik¹
¹University of Greifswald, Psychological Institute; ²Technical 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 Ullrich¹, Ralf Rummer¹, Christian Dobel² & Gerd Fabian Volk³
¹Universität Erfurt, Allgemeine Psychologie und Instruktionspychologie; ²Universität Jena, Institut für Psychologie, Experimentelle HNO Wissenschaft; ³Universität Jena, Universitätsklinikum Klinik für Hals-, Nasen- und Ohrenheilkunde
Symposium
Lost for words - A symposium on the relationship between language and perception

02/0090

17:00  I spy with my little eye: About features that capture the attention of Korean speakers but not of German speakers
Florian Goller¹, Soonja Choi² & Ulrich Ansorge¹
¹University of Vienna, Department of Basic Psychological Research and Research Methods; ²San 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-Wulf¹, Sieghard Beller² & Andrea Bender²
¹University of Freiburg, Department of Psychology; ²University 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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<tr>
<td>08:30</td>
<td>Crowdimg in real depth - The impact of size and defocus blur</td>
<td>Lisa Valentina Eberhardt &amp; Anke Huckauf</td>
<td>Ulm University, General Psychology</td>
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<tr>
<td>08:45</td>
<td>Brighter is not always better: High salience can slow responses to warning signals</td>
<td>Christiane R. Neubert1, Wolfgang Einhäuser2, Sabine Grimm3 &amp; Alexandra Bendixen1</td>
<td>Chemnitz University of Technology, Institute of Physics - Cognitive Systems Lab; Chemnitz University of Technology, Institute of Physics - Physics of Cognition Group; Leipzig University, Institute of Psychology - Cognitive and Biological Psychology; Chemnitz University of Technology, Institute of Physics - Cognitive Systems Lab</td>
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<tr>
<td>09:00</td>
<td>Reviewing evidence for superior unconscious processing - Do we really perceive more than we know?</td>
<td>Sascha Meyen, Ulrike von Luxburg &amp; Volker H Franz</td>
<td>Eberhard Karls University of Tübingen, Department of Computer Science</td>
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<td>09:15</td>
<td>Cognitive modelling reveals subjective visibility depends on task-relevant and task-irrelevant features as well as detection of motor errors</td>
<td>Manuel Rausch &amp; Michael Zehetleitner</td>
<td>Katholische Universität Eichstätt-Höchstädt, Psychologie II</td>
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<td>09:30</td>
<td>Category-selective processing in the two visual pathways as a function of visibility</td>
<td>Guido Hesselmann, Natasha Darcy &amp; Philipp Sterzer</td>
<td>Charité-Universitätsmedizin Berlin</td>
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<td>09:45</td>
<td>When predictive coding impedes perception</td>
<td>Ellen Joos1 &amp; Jürgen Kornmeier2</td>
<td>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; University of Freiburg, Medical Center, Department of Psychiatry and Psychotherapy; Institute for Frontier Areas of Psychology and Mental Health, Perception and Cognition Group</td>
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Symposium
Going where no researcher has gone before - cognitive control without homunculus? I

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 Steinke¹, Florian Lange², Caroline Seer³ & Bruno Kopp¹
¹Hannover Medical School, Department of Neurology; ²Hannover Medical School, Department of Neurology; KU Leuven, Behavioral Engineering Research Group; ³Hannover Medical School, Department of Neurology; KU Leuven, Department of Movement Sciences, Movement Control & Neuroplasticity Research Group

Talk session
Action and Motor Control

00/0070 Benjamin Straube
08:30 Pimping Inhibition: anodal tDCS enhances stop-signal reaction time
Maximilian Achim Friehs & 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 Liebherr¹, Hanna Weiland-Breckle², Tanja Grewe³ & Petra B. Schumacher²
¹University of Duisburg-Essen, Department of General Psychology: Cognition; ²University of Cologne, Department of German Language and Literature I; ³Hochschule 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

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 Peters¹, Benjamin Rahm², Jochen Kaiser¹ & Christoph Bledowski¹
¹Institute of Medical Psychology, Goethe-University Frankfurt am Main; ²Medical Psychology and Medical Sociology, Albert Ludwigs University of Freiburg

09:30 How an executive control mechanism gates access to visual working memory
Heinrich René Liesefeld¹ & Hermann J. Müller²
¹Department Psychologie, Ludwig-Maximilians-Universität München; Graduate School of Systemic Neuroscience; ²Department Psychologie, Ludwig-Maximilians-Universität München; Birkbeck College
Talks, Tuesday, 08:30 - 10:00

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

Talk session
Decision making I

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 Weilbächer¹, Jörg Rieskamp¹, Ian Krajbich² & Sebastian Gluth¹
       ¹University of Basel, Faculty of Psychology; ²Ohio 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 Averbeck¹, Magnus Liebherr¹, Patric Schubert² & Matthias Brand¹
       ¹University of Duisburg-Essen, Department of General Psychology: Cognition;
       ²Hochschule 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 Wegmann¹, María García Arías², Silke M. Müller¹ & Matthias Brand³
       ¹University of Duisburg-Essen, General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR);
       ²Universidad Francisco de Vitoria Gabinete de Orientación Educativa; ³University of Duisburg-Essen, General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR); Erwin L. Hahn Institute for Magnetic Resonance Imaging
Talks, Tuesday, 08:30 - 10:00

**Symposium**

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

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<td>08:30</td>
<td>Kognitionspsychologische Erkenntnisse zum hochautomatisierten Fahren – eine Übersicht</td>
<td>Manfred Thüring, Fabienne Roche &amp; Stefan Brandenburg</td>
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<td>Technical University Berlin, Department of Psychology and Ergonomics</td>
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<td>08:45</td>
<td>Bewertung kritischer Verkehrssituationen während einer vollautomatisierten Fahrt</td>
<td>Leonie Gauer</td>
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<td>Katholische Universität Eichstätt-Ingolstadt, Allgemeine Psychologie II</td>
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<td>09:00</td>
<td>Besser abgelenkt als eingeschlafen? Übernahme der manuellen Steuerung nach hochautomatisiertem Fahren</td>
<td>Tobias Vogelpohl &amp; Mark Vollrath</td>
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<td>Technische Universität Braunschweig, Department of Engineering and Traffic Psychology</td>
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<td>09:15</td>
<td>Perzeptuelle Sichtbedingungen beeinflussen unsere Fähigkeit, adäquat auf ein versagen automatisierter Fahrfunktionen zu reagieren</td>
<td>Martin Baumann¹ &amp; Lewis Chuang²</td>
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<td>¹Universität Ulm, Germany; ²Max Planck Institute for Biological Cybernetics</td>
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<tr>
<td>09:30</td>
<td>Erlernbarkeit von Übernahmeaufforderungen beim hochautomatisierten Fahren</td>
<td>Fabienne Roche, Stefan Brandenburg &amp; Manfred Thüring</td>
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<td>Technical University Berlin, Department of Psychology and Ergonomics</td>
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<td>09:45</td>
<td>Der Kraftfahrer im Fokus: Nutzerzentrierte Entwicklung eines Konzepts für autonome Fahrfunktionen</td>
<td>Dominique Stimm, Julia Schäfer &amp; Arnd Engeln</td>
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<td>Hochschule der Medien</td>
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**Symposium**

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

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<td>08:30</td>
<td>The Theory of Visual Attention: A model of endogenous and exogenous influences in prior entry</td>
<td>Alexander Krüger &amp; Ingrid Scharlau</td>
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<td>Paderborn University</td>
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<td>08:45</td>
<td>A simpler task for deeper insights: TOJ + TVA, and their application to animal data</td>
<td>Jan Tünnermann &amp; Ingrid Scharlau</td>
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<td>Paderborn University, Psychology</td>
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<td>09:00</td>
<td>Three Weeks of SSRI Administration enhances the Visual Perceptual Threshold - A Randomized Placebo-Controlled Study</td>
<td>Jon Lansner</td>
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<td>University of Copenhagen, Center for Visual Cognition</td>
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</tbody>
</table>
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 Kluckow¹, Philipp M Berg², Matthias Schwab¹, Otto Witte¹ & Peter Bublak¹
¹Jena University Hospital; ²Philipps 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

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**Talk session**

**Aggression and Morality**

01/0120  

08:30  **Effects of Emotional Victim Responses on Aggressive Behaviour**
Vanessa Mitschke¹, Mario Gollwitzer² & Andreas B Eder¹
¹University of Wuerzburg, Department of Psychology; ²Philipps-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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<tr>
<td>08:30</td>
<td>Measuring potency in words with the semantic differential</td>
<td>Marina Palazova¹, Birgit Stürmer¹ &amp; Annekathrin Schacht²</td>
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<td>¹International Psychoanalytic University Berlin; ²Georg-August-Universität Göttingen</td>
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</table>
| 08:45 | When positive and negative is not the same: Evaluation of emotional  | Sebastian Schindler  
|       | words using event-related potentials                                  | Ghent University; Bielefeld University                                                              |
| 09:00 | How mood affects processing of emotional adjectives in L1 and L2 - an | Johanna M Kißler¹ & Katarzyna Bromberek-Dyzman²                                                   |
|       | ERP study                                                            | ¹Bielefeld University, Department of Psychology, Affective Neuropsychology; ²Adam Mickiewicz University, Faculty of English, Language and Communication Laboratory |
| 09:15 | Insights into embodied language: neural activity during body-related  | Christine Wiebking¹, Christina Ralph-Nearman² & Cornelia Herbert¹                                     |
|       | and emotional word processing                                         | ¹Ulm University, Applied Emotion and Motivation Research; ²University 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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| 10:30 | Localization of objects across saccades based on intra-saccadic motion streaks | Richard Schweitzer¹ & Martin Rolfs²  
¹Bernstein Center for Computational Neuroscience Berlin; Humboldt-Universität zu Berlin, Department of Psychology; Humboldt-Universität zu Berlin, Berlin School of Mind and Brain; ²Bernstein 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**

<table>
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<th>Time</th>
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| 10:30 | An Episodic Memory Account of Cued Task Switching                     | James R. Schmidt, Baptist Liefooghe & Jan De Houwer  
Ghent University |
| 10:45 | Biased competition to account for task choice in self-organized task switching | Andrea Kiesel¹, Victor Mittelstädt¹ & Jeff Miller²  
¹Albert-Ludwigs-Universität Freiburg; ²University 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 Gade¹, Michel D Druey² & Marko Paelecke³
¹Katholische Universität Eichstätt-Ingolstadt; ²University of Konstanz; ³University of Würzburg

11:30 Discussion
Marco Steinhauser
Katholische Universität Eichstätt-Ingolstadt

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

00/0070

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

01/0010

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. Reeder¹, Christian N. L. Olivers² & Stefan Pollmann³
¹Otto-von-Guericke University, Institute of Psychology; ²Vrije Universiteit, Department of Experimental and Applied Psychology; ³Otto-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 Jost¹, Atsushi Kikumoto², Tina Schwarzkopp³ & Ulrich Mayr²
¹Brandenburg Medical School, Psychology; RWTH Aachen University, Institute of Psychology; ²University of Oregon, Department of Psychology; ³RWTH 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. Khader¹, Frank Rösler² & Julia A. Ewerwalbesloh³
¹Brandenburg Medical School, Psychology; ²University of Hamburg, Psychology; ³Ludwig-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 Nett & 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 Pachur¹, Helen Steingroever² & Michael M. Lee³  
¹Max Planck Institute for Human Development; ²University of Amsterdam; ³University 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

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 Pärsch¹, Arnd Engeln² & Martin Baumann³  
¹Dr. Ing. h.c. F. Porsche AG, HMI Anzeige und Bedienung; ²Stuttgart Media University, Market- & Advertising Research, Traffic & Transport Psychology; ³Ulm 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

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 Wirzberger¹, Robert Herms², Shirin Esmaeili Bijarsari¹, Günter Daniel Rey¹ & Maximilian Eibl²
¹TU Chemnitz, Psychology of Learning with Digital Media; ²TU Chemnitz, Media Informatics

11:15  Expertise in a demanding cognitive-motor dual-task situation: Performance advantages of table tennis experts compared to novices
Sabine Schöfer
Saarland University, Institute of Sports Sciences

11:30  Learning a Visuomotor Rotation in a Dual Task Paradigm
Lisa-Marie Langsdorf¹, Frederic Goehringer², Raphael Schween¹, Sven-Soeren Schwippert¹, Mathias Hegele¹ & Thomas Schenk²
¹Justus-Liebig-University, Neuromotor Behavior Lab, Department of Psychology and Sport Science; ²Ludwig-Maximilians-University, Clinical Neuropsychology, Department of Psychology

11:45  Gender differences in multitasking
Patricia Hirsch¹, Iring Koch¹ & Julia Karbach²
¹RWTH Aachen University, Cognitive and Experimental Psychology; ²University of Koblenz Landau, Developmental and Educational Psychology

Talk session
Social interaction
01/0120

10:30  Paying to seek or avoid social interactions
Johannes Schultz, Tom Willems, Ghada Chakkour, Alexander Franke & René Hurlemann
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 Niedeggen¹ & Kerschreiter Rudolf²
¹FU Berlin, Experimental Psychology and Neuropsychology; ²FU 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

02/0090 Kristin Lemhöfer & Eva Belke

10:30 The acquisition of labels for auditory objects: An ERP study
Samuel H Cosper¹, Claudia Männel² & Jutta L Mueller¹
¹Osnabrück University, Institute of Cognitive Science; ²Max 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**

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 Gradwohl1 & Hansjörg Neth2
1University of Konstanz, Graduate School of Decision Sciences, Psychology; 2University of Konstanz, Social Psychology and Decision Sciences

T-1-3 The influence of sequential structure and temporal effect predictability on dual-task interference
Monno Irina1, Fang Zhao2, Robert Gaschler3 & Thomaschke Roland1
1Albert-Ludwigs-Universität Freiburg, Institut für Psychologie Allgemeine Psychologie: Cognition, Action, and Sustainability; 2FernUniversität in Hagen, Institut für Psychologie, LG Allgemeine Psychologie, LME; 3FernUniversität in Hagen, Institut für Psychologie, LG Allgemeine Psychologie LME

T-1-4 Considering sustainability in buying decisions: The role of altruism and materialism
Jennifer Janeczko1, Gerrit Stöckigt1 & Matthias Brand2
1University of Duisburg-Essen, Department of General Psychology: Cognition and Center for Behavioral Addiction Research (CeBAR); 2General 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 Omerzu1, Maarten Speekenbrink2 & Janina Anna Hoffmann3
1University of Konstanz, Graduate School of Decision Sciences; 2University College London, Department of Experimental Psychology, Division of Psychology and Language Sciences; 3University 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 Sentfleben, Martin Schoemann & Stefan Scherbaum
Technische Universität Dresden, Department of Psychology
### Posters, Tuesday, 15:00 - 17:00

| T-1-9 | **How graphical representation improves probability weighting in risky choice**  
Kevin Tiede¹, Felix Henninger² & Benjamin E. Hilbig²  
¹University of Konstanz, Department of Psychology; ²University 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

| T-1-11 | **The role of sensorimotor experience in the formation of novel word meanings**  
Laura Bechtold¹, Marta Ghio¹, Gerald Antoch², Bernd Turowski², Hans-Jörg Wittsack², Marco Tettamanti³ & Christian Bellebaum¹  
¹Heinrich-Heine University, Biological Psychology; ²Heinrich-Heine-University, Diagnostic and Interventional Radiology; ³IRCCS 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 Duschig & Barbara Kaup  
University of Tübingen, Department of Psychology |
| T-1-13 | **Age-related differences in gesture perception and production**  
Jutta Billino¹, Miriam Steines², Arne Nagels³, Tilo Kircher² & Benjamin Straube²  
¹Allgemeine Psychologie, Justus-Liebig-Universität Gießen; ²Psychiatrie und Psychotherapie, Philipps-Universität Marburg; ³Allgemeine und Vergleichende Sprachwissenschaft, Johannes Gutenberg-Universität Mainz |
| T-1-14 | **Morphosyntactic processing in a masked priming paradigm**  
Johannes Bommes¹, Ulrich Ansorge² & Maximilian Stein³  
¹Georg August University Goettingen; ²University of Vienna, Faculty of Psychology; ³Georg 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 ThiThu Nguyen, Katja Münster, Carsten Schliewe & Pia Knoeferle  
Humboldt University of Berlin, Department of German Language and Linguistics |
| T-1-18 | **The resolution of complex anaphors**  
Till Pachalli, Jessica Strozyk, Carolin Duschig & Barbara Kaup  
University of Tübingen, Department of Psychology |
Is negation used to predict upcoming referents in a visual world paradigm?
Franziska Rück¹, Hartmut Leuthold², Carolin Dudschig¹ & Barbara Kaup¹
¹University Tübingen, Language & Cognition; ²University Tübingen, Biological Psychology

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

Testing boosts grammar acquisition: Insights from the learning of Latin morphosyntax
Katharina Wendebourg¹, Birgit Öttl², Eduard Berndt¹ & Barbara Kaup¹
¹Tübingen University; ²HU Berlin

Investigating the temporal dynamics of object-scene integration using MVPA: The role of the N300/N400 complex in object perception
Goethe University Frankfurt

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

Active tactile search strategies improve localization of touch
Xaver Fuchs & Tobias Heed
Bielefeld University, Faculty of Psychology & Sports Science

Emotion-Evoked Central-Peripheral Trade-off Effects: Sensory gating and recall
Lana Husagic & Arianne Herrera-Bennett
Ludwig Maximilian University, Psychology

Is there a SMARC effect for tones “without” different pitch height?
Stephanie Malek & Torsten Schubert
Martin Luther University Halle-Wittenberg, Psychology Department

Face adaptation aftereffects on local information
Ronja Mueller¹, Sandra Utz², Claus-Christian Carbon² & Tilo Strobach¹
¹Medical School Hamburg, Department of Psychology; ²University of Bamberg, Department of Psychology

Haptic feedback improves number magnitude estimation
Jennifer Müller¹, Uwe Oestermeier², Korbinian Moeller³ & Peter Gerjets⁴
¹Eberhard Karls University of Tübingen, LEAD Graduate School & Research Network; ²Leibniz-Institut für Wissensmedien, Software Development Department; ³Leibniz-Institut für Wissensmedien, Neuro-cognitive Plasticity Lab; ⁴Leibniz-Institut für Wissensmedien, Multimodal Interaction Lab
T-1-29  **Distinguishing Gloss from Textured Matte Materials**
Konrad Eugen Prokott¹, Hideki Tamura² & Roland W. Fleming¹
¹Justus-Liebig-Universität, Fachbereich 06 Psychologie und Sportwissenschaften;
²Toyohashi 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 Schöpper¹ & Helmut Leder²
¹University of Trier, Department of Psychology; ²University 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 Sensoy¹, Jody C Culham² & Gudrun Schwarzer¹
¹Justus-Liebig University, Department of Developmental Psychology; ²Western University, Brain and Mind Institute, Department of Psychology

T-1-32  **Multiasking of Young and Older Adults in Ecologically Valid Scenarios – Virtual Car Driving**
Konstantin Wechsler¹, Christin Janouch², Uwe Drescher¹, Mathias Haeger¹, Otmar Bock¹ & Claudia Voelcker-Rehage²
¹German Sport University Cologne, Physiology and Anatomy; ²Chemnitz 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**

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 Barth¹, Edmund Wascher¹, Clayton Hickey² & Daniel Schneider¹
¹Leibniz Institut für Arbeitsforschung an der TU Dortmund (IfADo), Ergonomie; ²Center 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
Switching between two modalities under fatigue
Árpád Csathó¹, András Matuz¹, Orsolya Simon¹ & István Hernádi²
¹University of Pécs, Institute of Behavioral Sciences; ²University of Pécs, Department of Experimental Neurobiology

Cognition and inhibitory processes in internet addiction: Stroop-related fMRI study
Gergely Darnai, Beatrix Lábadi, András Norbert Zsidó, Orsolya Inhóf, Gergely Orsi, Gabor Perlaki, Szilvia Nagy & Jozsef Janszky
University of Pécs, Department of General and Evolutionary Psychology

Capacity limitations of dishonesty
Anna Foerster, Robert Wirth, Wilfried Kunde & Roland Pfister
University of Würzburg, Department of Psychology III

Utility dependent processing of distractor information and reduction of distractor interference over time
Imke Marilla Gillich¹, Mike Wendt² & Thomas Jacobsen¹
¹Helmut Schmidt University/University of the Federal Armed Forces Hamburg; ²Medical School Hamburg

The influence of task relevance in a dual task situation
Clara Hellweg & Christina Bermeitinger
Universität Hildesheim, Institut für Psychologie

The effect of auditory stimuli in visual search task
Orsolya Inhóf, András Norbert Zsidó, Gergely Darnai, Beatrix Lábadi & György Révész
University of Pécs

Near-hand effect revisited: Potential of Virtual Reality (VR) to study psychological processes
Martin Lachmair, Christian Scharinger & Peter Gerjets
Leibniz-Institut für Wissensmedien Tübingen

You get what you (unconsciously) see: Der Einfluss von Farbpriming auf Aufmerksamkeit, Verarbeitungszeit und Gedächtnisleistung
Sarah Leinberger & Thomas Bäumer
Hochschule für Technik Stuttgart, Wirtschaftspsychologie

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

Distractor-induced Deafness
Lars Michael & Maria Robaina Fernández
Medical School Berlin, Department Psychology

Visual mismatch negativity under inattentional blindness in a roving oddball paradigm
Insa Schloßmacher, Maximilian Bruchmann & Thomas Straube
University of Münster, Institute of Medical Psychology and Systems Neuroscience
The impact of hypertext presentation on readers' attention and text comprehension
Torsten Schubert¹, Teresa Ronja Schurer² & Bertram Opitz²
¹Martin-Luther-Universität Halle-Wittenberg, Institut für Psychologie; ²Martin-Luther-Universität Halle-Wittenberg, Zentrum für multimediales Lehren und Lernen

Temporal preparation reduces stimulus conflict beyond an effect on spatial attention
Verena Carola Seibold & Bettina Rolke
Eberhard Karls University Tübingen, Department of Psychology

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

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

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

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

Effect of single administration of nicotine on pupil size and divided visual attention in non-nicotine users
Intan K. Wardhani¹, Sebastiaan Mathôt² & Bruno Laeng¹
¹University of Oslo; ²University of Groningen

Methods

"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 Differenzielle Psychologie

banto - a free participant recruitment and booking system
Stephan de la Rosa
Department of Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics

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 Henninger¹, Ulf K. Mertens², Yury Shevchenko³, Pascal J. Kieslich³ & Benjamin E. Hilbig¹  
¹University of Koblenz-Landau, Cognitive Psychology Lab; ²University of Heidelberg, Psychological Methods; ³University 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 Schoemann¹, Malte Lüken¹, Tobias Grage¹, Pascal J. Kieslich² & Stefan Scherbaum¹  
¹Technische Universität Dresden, Department of Psychology; ²University 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

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 Mathôt¹ & Intan Wardhani²
¹University of Groningen, Department of Experimental Psychology; ²University 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 Fröber¹, Ferdinand Pittino² & Gesine Dreisbach¹
¹University of Regensburg, Experimental Psychology; ²University 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 Scharinger¹, Alexander Soutschek², Torsten Schubert³ & Peter Gerjets⁴
¹Leibniz-Institut für Wissensmedien Tübingen; ²Laboratory for Social and Neural Systems Research, University of Zurich; ³Department of Psychology, Martin-Luther-Universität Halle-Wittenberg; ⁴Leibniz-Institut für Wissensmedien Tübingen; Department of Psychology, Eberhard-Karls-Universität Tübingen

Symposium
Affect and action control

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
Talks, Tuesday, 17:00 - 18:30

17:15  **Arousal drives adaptation to conflict: Transcutaneous vagus nerve stimulation (tVNS) enhances conflict-triggered adjustment of cognitive control**
Rico Fischer¹, Carlos Ventura-Bort², Alfons Hamm¹ & Mathias Weymar²
¹University of Greifswald; ²University of Potsdam

17:30  **Stick to your goals! The influence of current action goals on affective responses increases after stress**
Julia Kozlik¹, Roland Neumann², Franziska Plessow³ & Rico Fischer¹
¹University of Greifswald, Psychological Institute; ²University of Trier, Psychological Institute; ³Harvard Medical School, Neuroendocrine Unit

17:45  **We prefer what foretells over what can be foretold: On the affective value of predictive coding**
Sabrina Trapp¹, Judith Goris², Pieter Van Dessel³, Eliane Deschrijver², Roeljan Wiersema³, Marcel Brass² & Senne Braem²
¹Department of Cognitive Psychology, Universität Hamburg; ²Department of Experimental Psychology, Ghent University; ³Department 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 (LIBC) Affect, Motivation & Action (AMA) lab

Symposium

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

00/0070  **Seeing the world through the eyes of an avatar**
Pamela Baess
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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<th>Time</th>
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<th>Authors</th>
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| 01/0010 | Evaluative Blocking in EC                                                                             | Hans Alves, Fabia Högden, Anne Gast & Christian Unkelbach  
University of Cologne                                                                                                           |
| 17:00  | Assimilation and Contrast in Evaluative Conditioning and Moral Judgments - An Ecological Perspective    | Anne Gast¹, Fabia Högden¹, Christian Unkelbach¹, Adam Galinsky² & Joris Lammers¹  
¹University of Cologne; ²University of Columbia                                                                                   |
| 17:15  | Dissociating Intentional and Unintentional Learning Effects in Evaluative Conditioning                   | Niels Kukken & Mandy Hütter  
Eberhard Karls Universität Tübingen                                                                                                    |
| 17:30  | A Sampling Approach to Evaluative Conditioning                                                       | Max Ihmels & Mandy Hütter  
Eberhard Karls Universität Tübingen                                                                                                    |
| 17:45  |                                                                                                        |                                                                                                                                           |
| 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 Evaluative Conditioning Paradigm | Olivier Corneille¹, Adrien Mierop¹, Catia Teixeira² & Pedro Almeida³  
¹Catholic University Louvain; ²University of Groningen; ³University of Porto                                                                 |

Symposium

**Metacognition**

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<tr>
<th>Time</th>
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| 01/0020 | Beliefs versus Fluency? Comparison of the Mechanisms Underlying the Perceptual Fluency Finding through Object Images | Miri Besken  
Bilkent University, Psychology Department                                                                                                           |
| 17:00  |                                                                                                        |                                                                                                                                           |
| 17:15  | Task Complexity Promotes Contributions of Processing Fluency to Judgments of Learning                   | Monika Undorf  
University of Mannheim, Department of Psychology                                                                                                        |
Reliance on Schemas in Metamemory Predictions: Differences between Judgments of Learning and Judgments of Source
Marie Luisa Schaper¹, Beatrice G. Kuhlmann² & Ute J. Bayen¹
¹Heinrich-Heine-Universität Düsseldorf, Institut für Experimentelle Psychologie, Mathematische und Kognitive Psychologie; ²Universität Mannheim, Fachbereich Psychologie, Kognitive und Differentielle Psychologie

Confidence Judgements and Decentering in Patients with Major Depression
Barbara Drueke
University Hospital of the RWTH Aachen University, Institute of Medical Psychology and Medical Sociology

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

Age-Related Differences in Metacognitive Monitoring and Control When Preparing for Recall
Beatrice G. Kuhlmann
University of Mannheim

Human Factors

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)

How to find the right app: effects of color-coded categories on visual search on smartphones
Anna Katharina Trapp¹, Niklas von Kalckreuth², Johanna Reibke² & Carolin Wienrich³
¹Technische Universität Berlin, Cognitive Psychology and Cognitive Ergonomics; ²Technische Universität Berlin; ³Julius-Maximilians-Universität Würzburg, Arbeitsgruppe Mensch-Technik-Systeme

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)

Matching virtual workplaces with cognitive styles: Exposing users with different cognitive styles to data models of alternative complexity
Ivana Kovacevic¹ & Dusan Vujosevic²
¹Belgrade University, Faculty of Organizational Sciences, Department of Human Resource Management (and Social Sciences); ²Union 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 Verfahrung 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**

**01/0110**

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 Reuschenbach¹ & Julia Bastian²
¹University of Trier, Institute of Psychology; ²University of Trier, Institute of Psychology

18:00 **Replication and Validation of an experimental paradigm of measuring open-earedness**
Isabell Bötsch¹ & Richard von Georgi²
¹University of Technology Braunschweig; ²SHR Hochschule der populären Künste

Talk session

**Attitudes**

**01/0120**

17:00 **Assessing the nature of ambivalent attitudes: Can positive and negative valence be activated simultaneously?**
Katharina Theresa Berger¹, Mandy Hütter¹ & Olivier Corneille²
¹Eberhard Karls Universität Tübingen; ²Université 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 Becker¹, Sarah Teige-Mocigemba², Jeffrey W. Sherman³ & Karl Christoph Klauer¹
¹Albert-Ludwigs-Universität Freiburg, Institut für Psychologie, Abteilung für Sozialpsychologie und Methodenlehre; ²Philipps-Universität Marburg, Fachbereich Psychologie, AG Persönlichkeit und Diagnostik; ³University 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 Schneider¹, Michael Franke², Carolin Schonard³, Gerhard Jäger² & Markus Janczyk¹
¹University of Tübingen, Department of Psychology; ²University of Tübingen, Institute of Linguistics; ³TU 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 Sprenger¹ & Bergmann Christopher²
¹University of Groningen, Center for Language and Cognition (Semantics and Cognition Group); ²University of Groningen, Center for Language and Cognition
Talks, Wednesday, 08:30 - 10:00

Talk session
Perception: Features and Objects

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, Filipp Schmidt & Roland W. Fleming
University of Giessen, Department of Psychology

09:15  
**Inferring causal history from shape**
Filipp 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 Telatar¹, René Reinhard², Shah Rukh Humayoun³, Achim Ebert³ & Thomas Lachmann¹
¹University of Kaiserslautern, Cognitive Science; ²Fraunhofer-Institut für Techno- und Wirtschaftsmathematik; ³University 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

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 Bieleke¹, Michael Dambacher¹, Ronald Hübner¹ & Peter M Gollwitzer²
¹University of Konstanz, Department of Psychology; ²New York University, Department of Psychology
### Talks, Wednesday, 08:30 - 10:00

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<td>09:00</td>
<td><strong>Time course of inhibition in motor imagery</strong></td>
<td>Victoria K. E. Bart¹, Iring Koch² &amp; Martina Rieger¹</td>
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<td>¹UMIT, Institute of Psychology; ²RWTH Aachen University, Institute of Psychology</td>
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<td>09:15</td>
<td><strong>Intimate co-representation for action regulation: Retrieval of observationally acquired stimulus-response bindings in romantically involved interaction partners versus strangers</strong></td>
<td>Carina Giesen¹, Virginia Löhl² &amp; Nicolas Koranyi²</td>
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<td>¹Department of Psychology, General Psychology II, Friedrich Schiller University Jena; ²Friedrich Schiller University Jena</td>
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<td>09:30</td>
<td><strong>The Power of Non-Action: Forming stimulus-response associations via instruction, observation, and imagery</strong></td>
<td>Christina Pfeuffer, Karolina Moutsopoulou, Florian Waszak &amp; Andrea Kiesel</td>
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<td>University of Freiburg, Cognition, Action, and Sustainability Unit</td>
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<td>09:45</td>
<td><strong>A common, grounded basis for different types of stimulus-response learning</strong></td>
<td>Torsten Martiny-Huenger</td>
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<td>UiT The arctic university of Norway, Department of Psychology</td>
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#### Talk session

**Action and perception I**

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<tr>
<td>08:30</td>
<td><strong>Perception of penalty takers in soccer with varying graphical levels of detail</strong></td>
<td>Johannes Kurz¹, Fabian Helm², Nikolaus F. Troje³ &amp; Jörn Munzert¹</td>
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<td>¹Justus-Liebig-University, Department of Sport Science; ²Goethe University, Department of Sport Science; ³Queen’s University, Department of Psychology</td>
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<tr>
<td>08:45</td>
<td><strong>Sensory attenuation of self-produced signals is driven by motor-independent predictions</strong></td>
<td>Jakob Kaiser &amp; Simone Schütz-Bosbach</td>
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<td>Ludwig Maximilian University, Experimental Psychology</td>
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<td>09:00</td>
<td><strong>The influence of different sensory signals on error perception and its neural correlates</strong></td>
<td>Lisa K. Maurer, Michael Joch, Mathias Hegele, Heiko Maurer &amp; Hermann Müller</td>
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<td>Justus-Liebig-University, Department of Sport Science</td>
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<td>09:15</td>
<td><strong>Observation of the whole-body movement sequences: Memory encoding, retention, and retrieval of the movement-related spatial and temporal information</strong></td>
<td>Shiau-Chuen Chiou &amp; Thomas Schack</td>
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<td>Bielefeld University, Neurocognition and Action Research Group, Center of Excellence Cognitive Interaction Technology (CITEC)</td>
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<td>09:30</td>
<td><strong>Cognitive models modulate action-perception coupling in perceptual multistability</strong></td>
<td>Peter Veto¹, Marvin Uhlig¹, Nikolaus F. Troje² &amp; Wolfgang Einhäuser¹</td>
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<td>¹Chemnitz University of Technology, Institute of Physics - Physics of Cognition Group; ²Queen’s University, Department of Psychology</td>
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</table>
Talks, Wednesday, 08:30 - 10:00

09:45  **Mental and Manual Rotation of Physical Three-Dimensional Objects**  
Stefanie Zander¹, Stefan Brandenburg² & Elisabeth Brandenburg¹  
¹Fraunhofer Institut für Produktionsanlagen und Konstruktionstechnik, Virtuelle Produktentstehung, Modellbasiertes Entwickeln; ²Technische Universität Berlin, Cognitive Psychology and Cognitive Ergonomics

Talk session  
**Learning**

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 Öttl¹, Dawn Marie Behne¹, Martine Aune¹, Pascal Gygax² & Ute Gabriel¹  
¹Norwegian University of Science and Technology, Department of Psychology; ²University 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 Hoffmann¹, Rebecca Albrecht² & Bettina von Helversen³  
¹University of Konstanz; ²University of Basel; ³University 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
Talks, Wednesday, 08:30 - 10:00

**Talk session**

**Decision making III**

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</table>
| 08:30 | Interactions of approximate number processing skills with numeracy and executive functions in decision making under risk | Silke M. Müller¹, Margarete Delazer² & Matthias Brand³  
⁠¹Universität Duisburg-Essen, General Psychology: Cognition; ²Clinical Department of Neurology, Innsbruck Medical University; ³General 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 Baumann¹, Bettina von Helversen¹ & Sam Gershman²  
⁠¹University of Zuerich, Department of Psychology; ²Harvard 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 Said¹, Debora Fieberg², Helen Fischer¹, Johannes Lohse³ & Christian Kirches⁴  
⁠¹Heidelberg University, Experimental and Theoretical Psychology; ²Heidelberg University, Interdisciplinary Center for Scientific Computing (IWR); ³University of Birmingham, Department of Economics; ⁴TU 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**

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| 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**

01/0110  
**Effector priming during action observation in combat sports**  
Andrea Polzien, Iris Güldenpenning & 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 inattentinal blindness**  
Carina Kreitz¹, Robert Schnürch², Philip Furley¹, Henning Gibbons² & Daniel Memmert¹  
¹Deutsche Sporthochschule Köln, Institut für Trainingswissenschaft und Sportinformatik; ²Universität 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
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<td>09:45</td>
<td>Novel non-salient stimuli detract attention from a novel color singleton</td>
<td>Daniel Ernst¹, Stefanie Becker² &amp; Gernot Horstmann¹</td>
<td>¹Bielefeld University &amp; CITEC, Neuro-cognitive Psychology; ²University of Queensland, School of Psychology</td>
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<td>“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</td>
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<td>Regulatory focus and propositional processing: Prevention focus bolsters negation processing</td>
<td>Anand Krishna¹ &amp; Fritz Strack²</td>
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<td>How to stay positive: Integration or prevention of integration of negative content to the self</td>
<td>Sarah Schäfer¹, Dirk Wentura² &amp; Christian Frings¹</td>
<td>¹University of Trier, Department of Cognitive Psychology; ²Saarland University, Department of Cognitive Psychology and Statistics</td>
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<td>Impulsivity and inhibitory control in the context of Internet-pornography-use disorder</td>
<td>Stephanie Antons &amp; Matthias Brand</td>
<td>University Duisburg-Essen, General Psychology: Cognition</td>
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<td>09:30</td>
<td>Handlungsnotwendigkeit und spontanes Kontrastieren</td>
<td>Timur Sevincer¹ &amp; Gabriele Oettingen²</td>
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**Talk session**

**Self-regulation**

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**Talk session**

**Eye movements and Reading**

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<td>08:30</td>
<td>Fixation durations in natural scene viewing are guided by peripheral content</td>
<td>Charlotte Atzert¹, Antje Nuthmann² &amp; Wolfgang Einhäuser³</td>
<td>¹Chemnitz University of Technology, Institute of Physics – Physics of Cognition Group; ²Philipps-University; ³University of Kiel, Institute of Psychology – Perception and Cognition Group; ³Chemnitz University of Technology, Institute of Physics – Physics of Cognition Group</td>
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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 Gagl¹, Julius Golch², Stefan Hawelka³, Jona Sassenhagen², David Poeppel⁴ & Christian J. Fiebach⁵  
¹Department of Psychology, Goethe University Frankfurt; Center for Individual Development and Adaptive Education of Children at Risk (IDeA); ²Department of Psychology, Goethe University Frankfurt; ³Centre for Cognitive Neuroscience, University of Salzburg; ⁴Max Planck Institute for Empirical Aesthetics; Department of Psychology, New York University; ⁵Department 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

W-1.1 Influence of ID speech and singing on 12-month-olds’ social preferences
Franziska Degé¹, Sandra Trehub² & Gudrun Schwarzer¹
¹Justus-Liebig-University, Developmental Psychology; ²University 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 Gerhard¹, Jody C Culham² & Gudrun Schwarzer¹
¹Justus-Liebig-University, Developmental Psychology; ²University 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
Cross-modal priming of emotion perception in children and adults
Michael Vesker¹, Daniela Bahn², Franziska Degé¹, Monika Tschense², Christina Kauschke² & Gudrun Schwarzer¹
¹Justus-Liebig-Universität Gießen, Department of Developmental Psychology; ²Philipps-Universität Marburg, Department of German Linguistics

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

Evaluative conditioning of neutral stimuli does not modulate conflict adaptation
Anja Maria Berger¹, Rico Fischer² & Gesine Dreisbach¹
¹University of Regensburg, Institute for Psychology; ²University of Greifswald, Institute for Psychology

Contingency Learning and Choice-Behavior Based on Self-Directed and Other-Directed Information Sampling
Franziska Bott & Thorsten Meiser
University of Mannheim, Department of Psychology

Personal time-related life events influence the direction of whole-body movements
Lydia Kastner¹, Jennifer Müller², Juan José Rahona López¹, Peter Gerjets¹ & Susana Ruiz Fernández¹
¹Leibniz Institut für Wissensmedien, Multimodal Interaction Lab; ²Eberhard Karls University of Tübingen, LEAD Graduation School & Research Network

The usefulness of task-irrelevant actions-effects in implicit sequence-learning
Clarissa Lustig & Hilde Haider
University of Cologne, Department of Psychology

Implicit sequence learning despite multitasking: the role of (flexible) separation of task representations
Eva Röttger¹, Hilde Haider¹, Fang Zhao² & Robert Gaschler²
¹University of Cologne, Department of Psychology; ²FernUniversität in Hagen, Department of Psychology

Consistent irrelevant response effects enhance implicit sequence learning
Jascha Rüsseler¹ & Daniel Wiswede²
¹Department of Psychology, Otto-Friedrich-University Bamberg; ²Department 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 Zhao¹, Robert Gaschler¹, Eva Röttger² & Hilde Haider²
¹FernUniversity in Hagen, Psychology; ²University of Cologne

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**Social Psychology**

**W-1.22** Speaking the part: Psychological correlates and efficacy of voluntary socio-emotional trait expression in voices
Stella Guldner¹, Carolyn McGettigan², Frauke Nees³ & Herta Flor³
¹University 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; ²Royal Holloway University of London, Vocal Communication Lab; ³University 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 ingroup 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 Kraemer¹, Goerner Marius², Hamidreza Ramezanpour², Peter Dicke² & Peter Thier²
¹University of Basel, Department for Decision Neuroscience; ²Hertie 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-University 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 Bohner  
University of Bielefeld, Department of Psychology

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**Action and perception**

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 Gaschler¹, Fang Zhao¹, Eva Röttger² & Hilde Haider²  
¹Department of Psychology, FernUniversität in Hagen; ²Department 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 Güldenpenning¹, Christoph Schütz², Matthias Weigelt¹ & Wilfried Kunde³  
¹University of Paderborn, Psychology and Movement Science; ²Bielefeld University, Department of Sport Science; ³Würzburg 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 Hosang¹, Rico Fischer², Jennifer Pomp³ & Roman Liepelt¹  
¹German Sport University, Institute of Psychology; ²University of Greifswald, Institute of Psychology; ³University 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 Krala¹, Bianca van Kemenade² & Frank Bremmer¹  
¹Dept. Neurophysics and Marburg Center for Mind, Brain and Behavior - MCMBB, University of Marburg; ²Translational 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
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

Prediction of Indirect Action Consequences
Mareike Pazen, Tilo Kircher & Benjamin Straube
Philipps-University Marburg, Department for Psychiatry and Psychotherapy

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

When Less Is More: Costs and Benefits of Varied vs. Fixed Content and Structure in Short Term Task Switching Training
Katrina Sabah¹, Thomas Dolk¹, Nachshon Meiran² & Gesine Dreisbach¹
¹Regensburg University, General and Applied Psychology Department; ²Ben-Gurion University of the Negev, Psychology Department

Effects of motor inhibition on n – 2 repetition costs
Juliane Scheil¹, Thomas Kleinsorge¹ & Baptist Liefooghe²
¹Leibniz Research Centre for Working Environment and Human Factors (IfADo); ²Ghent University

Diffusion Drift Modelling of Tactile Remapping
Kenan Suljic¹, José P. Ossandón² & Tobias Heed¹
¹University of Bielefeld, Faculty of Psychology & Sports Science; ²University of Hamburg, Biological Psychology & Neuropsychology

The interaction between action generation and hand ownership in action-feedback monitoring
Lukas Uhlmann
Philipps-University Marburg, Department of Psychiatry and Psychotherapy

Orientation priming during continuous flash suppression
Christian Valuch
University of Göttingen, Department of Experimental Psychology

Egocentric and allocentric Simon effects in task sharing
Tom Weber, Christina Bermeitinger & Pamela Baess
University of Hildesheim, Institute for Psychology

Optimizing across task congruency by stimulus selection – unless there is a routine sequence
Christina Weckwerth¹, Robert Gaschler¹, Fang Zhao¹, Eva Röttger² & Hilde Haider²
¹Fernuniversität Hagen, Allg. Psychologie LME; ²Universität zu Köln

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

Recent response conflict reduces perceptual sensitivity at the time of distractor onset
Michael Sprengel¹, Mike Wendt² & Thomas Jacobsen¹
¹Helmut-Schmidt-University/University of the Federal Armed Forces Hamburg; ²Medical School Hamburg

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

Level-specific attentional adjustment to proportion congruency in the processing of hierarchical stimuli
Miriam Tomat¹, Mike Wendt² & Thomas Jacobsen¹
¹Helmut-Schmidt-University/University of the Federal Armed Forces Hamburg, Experimental Psychology Unit; ²Medical School Hamburg, Experimental Psychology Unit

Attentional modulation of masked semantic priming by task sets: Influences from performed induction tasks and mere task cue presentation
Natalie Maria Trumpp¹, Heiko Reuss², Wilfried Kunde² & Markus Kiefer¹
¹Ulm University, Department of Psychiatry; ²University of Würzburg, Department of Psychology

Limits of value-based attentional priority
Annabelle Walle, Michel D Druey & Ronald Hübner
University of Konstanz, Cognitive Psychology

Differential effects of distractions and interruptions on task performance. An EEG study using a continuous number task
Bianca Zickerick, Kristina Küper, Sven Thönnes, 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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<tr>
<td>15:00</td>
<td>The Completion of Missing Information During Coherent Events Is Caused by Backward Inferences Rather Than Predictive Perception</td>
<td>Frank Papenmeier¹, Alisa Brockhoff¹ &amp; Markus Huff²</td>
<td>University of Tübingen, Department of Psychology; German Institute for Adult Education, Department of Research Infrastructures</td>
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<td>15:15</td>
<td>P3 and pupil dilation predict the subjective experience of time</td>
<td>Benjamin Ernst &amp; Marco Steinhauser</td>
<td>Catholic University of Eichstätt-Ingolstadt</td>
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<td>15:30</td>
<td>Alignment effects in spatial perspective taking from an external vantage point</td>
<td>Adamantini Hatzipanayioti¹ &amp; Marios Avraamides²</td>
<td>Max Planck Institute for Biological Cybernetics, Department of Human Cognition, Perception and Action; University of Cyprus, Department of Psychology</td>
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<td>15:45</td>
<td>Should interpersonal distance be thought of in field-theoretical terms?</td>
<td>Robin Welsch, Christoph von Castell &amp; Heiko Hecht</td>
<td>Johannes Gutenberg-Universität Mainz, Psychologisches Institut</td>
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<td>16:00</td>
<td>Presenting visual stimuli in ultra-high temporal resolution with gaming monitors</td>
<td>Christian H. Poth¹, Rebecca M. Foerster¹, Christian Behler¹, Ulrich Schwanbeck², Werner X. Schneider¹ &amp; Mario Botsch¹</td>
<td>Bielefeld University; Rhein-Main University of Applied Sciences</td>
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Symposium
Sensory and motor foundations of conceptual cognition

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<tr>
<td>15:00</td>
<td>The motor system’s role in understanding and prediction</td>
<td>Luigi Grisoni &amp; Friedemann Pulvermüller</td>
<td>Freie Universität Berlin, Department of Philosophy and Humanities, Brain Language Laboratory</td>
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<td>15:30</td>
<td>Contextual flexibility of the representation of action- and sound-related verbs in the motor and auditory systems: An fMRI study</td>
<td>Margot Popp</td>
<td>Ulm University, Department of Psychiatry</td>
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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 & Samuel Shaki
1University of Potsdam; 2Ariel University

Talk session
Action and perception II

00/0070

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 Eichstättingolstadt

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, Tilo Strobach & Torsten Schubert
1Martin-Luther Universität Halle-Wittenberg, Institut für Psychologie; Humboldt-Universität zu Berlin, Institut für Psychologie; 2MSH Medical School Hamburg, Fakultät für Humanwissenschaften; 3Martin-Luther Universität Halle-Wittenberg, Institut für Psychologie
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<td>15:00</td>
<td><strong>Influence of tool-use experience on motor planning</strong></td>
<td>Bianca Jovanovic &amp; Gudrun Schwarzer Justus-Liebig-Universität Giessen, FB 06, Developmental Psychology</td>
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<td>15:15</td>
<td><strong>Helping hands: Fine motor skills predict basic arithmetic abilities in preschool and first grade</strong></td>
<td>Stephanie Roesch¹, Ursula Fischer², Sebastian Suggate³, Korbinian Moeller³ &amp; Heidrun Stoeger² ¹Leibniz-Institut für Wissensmedien, Neuro-cognitive Plasticity; University of Regensburg, Department of Educational Sciences; ²University of Regensburg, Department of Educational Sciences; ³Leibniz-Institut für Wissensmedien, Neuro-cognitive Plasticity; Institute of Psychology, Eberhard Karls University; LEAD Graduate School and Research Network, Eberhard Karls University</td>
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<td>15:30</td>
<td><strong>The advantage of being less protected: children’s spatial orientation in the city of Jakarta</strong></td>
<td>Clara Ajisuksmo¹, Agustina Hendriati¹ &amp; Eva Neidhardt² ¹Atma Jaya Catholic University of Indonesia, Psychology; ²Universität Koblenz-Landau, FB 1</td>
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<td>15:45</td>
<td><strong>The influence of incentives on cognitive control: a developmental study</strong></td>
<td>Marc Woirgardt, Nicola K. Ferdinand &amp; Jutta Kray Saarland University, Department of Psychology</td>
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<td>16:00</td>
<td><strong>Lifespan Cognition</strong></td>
<td>Daniel M. Bernstein¹ &amp; Daniel G. Derksen² ¹Kwantlen Polytechnic University; ²Simon Fraser University</td>
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<td>16:15</td>
<td><strong>Content and temporal event knowledge of elderly people</strong></td>
<td>Michelle Wyrobnik¹, Elke van der Meer² &amp; Gesa Schaadt³ ¹Humboldt-Universität zu Berlin, Institut für Psychologie, Kognitive Psychologie; ²Humboldt-Universität zu Berlin, Institut für Psychologie, Seniorprofessur Kognitive Psychologie; ³Max-Planck-Institut für Kognition- und Neurowissenschaften, Abteilung Neurologie</td>
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**Symposium**

**Diffusion Modeling**

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<tr>
<td>15:00</td>
<td><strong>Diffusion modeling in motivational psychology: Inter-individual differences in fear of failure predict cognitive processing</strong></td>
<td>Veronika Lerche¹, Andreas B. Neubauer² &amp; Andreas Voss¹ ¹Heidelberg University, Psychological Institute; ²Department for Education and Human Development, German Institute for International Educational Research (DIPF)</td>
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<td>15:15</td>
<td><strong>Sequential Sampling Models with Variable Boundaries and Non-Normal Noise: A Comparison of Six Models</strong></td>
<td>Andreas Voss Heidelberg University</td>
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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 Schmitz¹, Doris Keye², Klaus Oberauer³ & Oliver Wilhelm⁴
¹Universität Duisburg-Essen; ²DLR Hamburg; ³University of Zürich; ⁴Ulm 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**

01/0030  Stefan Brandenburg, Anna K. Trapp, Michael Minge & Manfred Thüring

15:00  **Efficiency and Aesthetics of E-Commerce Results**
Anica Kleinjan¹ & Stefan Brandenburg²
¹CONTACT Software GmbH; ²Technische Universität Berlin, Cognitive Psychology and Cognitive Ergonomics

15:15  **Designing Touch Displays for Seniors: an Adaptive Approach**
Avner Shahal¹, Carola Trahms² & Michael Minge¹
¹Technische Universität Berlin, Department of Cognitive Psychology and Cognitive Ergonomics; ²Technische 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 Schröder¹ & Thea Radünzt²
¹Technische Universität Berlin, Department of Psychology and Ergonomics, Chair of Cognitive Psychology and Cognitive Ergonomics; ²Federal 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 Wienrich¹, Felix Kretschmer², Richard Gross² & Gisela Müller-Plath²
¹University Würzburg, Institut Human-Computer-Media Team for Human-Technique-Systems; ²Technische Universität Berlin, Institute for Psychology and Ergonomics, Chair for Methodology and New Media
Talk session

Visual attention II

01/0110

15:00   **Response preparation with reliable cues decreases response competition in the flanker task**
Peter Wühr¹, Christian Frings² & Herbert Heuer³
¹TU Dortmund University, Department of Psychology; ²Trier University, Department of Psychology; ³Leibniz 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 Zsidó¹, Orsolya Inhó², Gergely Darnai³, Árpád Csathó⁴, Andras Matuz⁴, Beatrix Lábadi² & Laszlo Bernath⁵
¹University of Pécs; ²Institute of Psychology, University of Pécs; ³Institute of Psychology, University of Pécs, Medical School; MTA-PTE Clinical Neuroscience MR Research Group; ⁴Department of Behavioural Sciences, University of Pécs; ⁵Faculty 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
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