

TeaP 2016

Program

of the 58th Conference of Experimental Psychologists

Heidelberg, Germany

March 21 - 23, 2016

organized by

Joachim Funke, Jan Rummel & Andreas Voß



PABST SCIENCE PUBLISHERS
Lengerich

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Printing: KM-Druck, 64823 Groß-Umstadt, Germany

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Welcome Address from the Rector of Heidelberg University

Dear Guests,

It is an honour for Heidelberg to welcome you to the *TeaP*, one of the largest conferences on experimental research in psychology. The scientific programme will feature distinguished keynote speakers, cutting-edge symposia, talk sessions with controversial debates, and compelling presentations by junior scientists as well as established scientists from various fields of psychology.

Heidelberg University is proud to be a comprehensive university. As a university with a broad spectrum of disciplines, we are particularly concerned with ensuring a discourse across traditional disciplinary boundaries and developing new forms of cooperation across fields of expertise. Psychology plays an important role in these interdisciplinary activities due to its status as a hub science. Members of the *Institute of Psychology at Heidelberg University* are connected to the fields of medicine, economics, law, or anthropology; they are members of the *Heidelberg Center for the Environment* or the *Interdisciplinary Center for Scientific Computing*. Psychologists regularly participate in the *Marsilius Kolleg's* program which brings together scholars from all disciplines of the university as well as from the surrounding non-university research institutions.

The *Institute of Psychology at Heidelberg University* admits 90 students per year for a 3 years' bachelor degree and another 90 for a 2 years' master degree. The thousands of applications that we receive per year reflect the high reputation of the *Institute* in the realm of German psychology. The 11 professors at the *Institute* cover a broad spectrum of psychological sub-disciplines ranging from basic research in cognitive, developmental, differential, and social psychology to applications in industrial, educational, or clinical psychology. Since 2013, psychology has also taken the lead in one of our four *Fields of Focus* within the German Excellence Initiative, namely the field of *Self-Regulation and Regulation: Individuals and Organizations*.

We are looking forward to welcoming you, and we wish you a pleasant and stimulating conference!

Yours sincerely

Prof. Dr. Dr. h.c. Bernhard Eitel

Rector of *Heidelberg University*



Welcome Address from the Dean of the Faculty of Behavioural and Cultural Studies

Dear participants of the TeaP 2016 in Heidelberg,

I would like to extend an equally warm “welcome to Heidelberg” to you! As Dean of the *Faculty of Behavioural and Cultural Studies* I am very proud to see that our *Institute of Psychology* has been granted the honour of hosting the TeaP this year!

Our faculty brings together different scientific disciplines that share an interest in human life, with research ranging from the individual to the cultural level. Aside from psychology - the largest department – cultural anthropology, educational science, gerontology, and sports science likewise form the body of our faculty. The socio-cultural behavior of human beings is the focus of science and research of these institutes. Their scheme of work is as independent as it is interdisciplinary, whereby scientific cooperation within the faculty is strongly encouraged.

As has already been mentioned by the Rector, with its research in the field of *Self-Regulation and Regulation: Individuals and Organizations* the *Institute of Psychology* takes the lead in one of our university's four core activities (*Fields of Focus*) within the *German Excellence Initiative*. In this challenging, interdisciplinary endeavor, experimental psychology is one of the driving forces.

I admire and appreciate the rigor with which experimentally working psychologists seek to analyze and understand causal mechanisms. As an educational psychologist, not only do I value experimental research because of its excellent theoretical and methodological standards, but also as an indispensable foundation for applied research and evidence-based action.

I am happy that my colleagues Joachim Funke, Andreas Voß, and Jan Rummel made it possible for this exciting conference to come to Heidelberg! I hope that it will offer you valuable insights, new experiences, and many stimulating discussions.

Prof. Dr. Birgit Spinath

Dean of the *Faculty of Behavioural and Cultural Studies*



General Information

Hosts & scientific committee

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Theresa Mentrup (layout), Linda McCaughey (proofreading), Julia Folz & Paul Reich (program editing and indexing), Sebastian Dummel & Ivan Marevic (program scheduling)

Acknowledgements

We thank UniKT (Heidelberg University) for their assistance and for launching our website and we also thank the *Fachgruppe Allgemeine Psychologie* for their support.

Furthermore, we are especially grateful to our student assistants, graduate and undergraduate students who will be available throughout the conference to answer questions, solve unexpected problems and ensure that things run smoothly in general.

Conference venue

The 58th Conference of Experimental Psychologists *TeaP 2016* will take place in the *New University* building (*Neue Universität*), one of the central buildings of *Heidelberg University*. It is located at the *University Square (Universitätsplatz)*, right in the historic center of Heidelberg city. (Address: Grabengasse 1, D-69117 Heidelberg)

How to get there

By car

Via A5 or A6 (Frankfurt, Mannheim, Darmstadt, Karlsruhe etc.): leave the highway at exit Heidelberg No. 37 or No. 38 and follow the B 37 or the B 535 / B 3 to enter the city. Follow the traffic signs *Altstadt (Historic center)* to get to the conference venue. There are different car parks close to the *New University* building (*Neue Universität*). The car park *APCOA Parkhaus Universitätsbibliothek* is located in *Sandgasse*, next to the *University Library*, which is one of the building adjacent to the *New University (Neue Universität)*.

Public transportation

From *Heidelberg Central Station (Hauptbahnhof)*, you can take the **bus line 32** to ***Altstadt / Universitätsplatz***. The bus will make its final stop at the *University Square (Universitätsplatz)* which is right in front of the *New University* building (*Neue Universität*).

From *Bismarckplatz* you can also take the **bus line 32** or the **bus line 31** heading towards ***Altstadt / Universitätsplatz*** up to the final station *University Square (Universitätsplatz)*. Otherwise the *University Square (Universitätsplatz)* and the *New University* building (*Neue Universität*) lie within a 10-15 minutes walking distance along the pedestrian-only *main street (Hauptstraße)*.

Friends of cycling can also rent bikes at central locations as for example the *Heidelberg Central Station (Hauptbahnhof)*, the *Bismarckplatz*, or the *University Square (Universitätsplatz)* by using the **VRNnextbike**-app.

Further information: <http://www.vrnnextbike.de/en>

Conference office / Registration

The conference office can be found in the *foyer* of the *New University* building (*Neue Universität*; see **Floor Plan**). Opening hours will be from Monday, 8:00 am to Wednesday, 12:00 pm. Please note that you can also register during the pre-conference welcome evening already (see **Special Events**).

Conference name badge

Participants receive their conference name badges with their registration material at the conference office and are kindly asked to wear their badges throughout the entire conference.

Certificate of attendance

Certificates of attendance will also be provided at the conference office with your registration material.

Child care

Child care will be offered on site at the *New University* building in cooperation with the *Kinderhaus* of Heidelberg University. You can bring your child as it best suits your needs. The child-care room, equipped with toys, books and a baby's changing table, will also be available to parents and their younger children to rest and relax. Nice playgrounds are located within walking distance from the *New University* building. The child care will be provided in **HS 12a** (3rd floor).

Getting around

The conference will take place right next to the *University Square (Universitätsplatz)* which is located in the very heart of the historic center of Heidelberg. Starting from there, you can reach many interesting spots within a few minutes' walk (see *Heidelberg Beyond the TeaP*). There are restaurants, hotels and souvenir shops close to the conference venue. Therefore, you not necessarily have to rely on public transportation in order to get around.

Internet access

Heidelberg University provides free internet access for all the **TeaP 2016** participants. You will find your personal conference account on the back of your conference name badge. If your home institution participates in the eduroam project, you can also use your **eduroam** network login.

Coffee breaks

Coffee, tea, snacks and other refreshments will be served in the *foyer* on the **3rd floor** during the official coffee break times (Mon-Tue, 10:00, 14:00 & 16:20; Wed, 9:00 & 10:50). Water fountains will be available at several spots in the conference main building.

Lunch

If you opted for lunch at pre-registration, you will get your lunch vouchers while registering at the conference office. The conference lunch will be provided at the *Marstall Mensa* (Marstallhof 3) from 13:00-14:00 on each conference day. If you did not opt for lunch, you can get lunch at the *Marstall Mensa*, too, or choose from the *Food & Drinks* possibilities listed in this brochure.

Prices and tips

A one-way-ticket for public transport is about 2,50 € (alternatively, five one-way-tickets bought together are priced at 11,70 €, or you can use the touch-and-travel App) for adults, 24h-tickets are available from 6,50 € onwards. Further information: <http://www.vrn.de>

In restaurants, cafes, bars, etc. prices normally include taxes and service. Usually, a tip of approximately 5-10% is appreciated.

Smoking

Due to the strict non-smoking policy with regard to public buildings, smoking is prohibited in all conference venues as well as in most of the restaurants, cafes, etc. Outside the *New University* building, there are smoking areas and smoking is generally permitted in the street.

Wardrobe

There is an unguarded wardrobe in the marked hallway on the **3rd floor** as well as in **HS 3** on the **ground floor** (see **Floor Plan**). Lockers - if necessary - are to be found in the *University Library* (*Universitätsbibliothek*), just across the road (about 50 m).

Wheelchair users

The *New University* building is designed to be wheelchair accessible (see **Floor Plan**).

Pharmacy / Emergency phone numbers

The closest pharmacy, the *Universitätsapotheke* is located at Hauptstraße 114, opening hours: Mon-Fri, 9:00 - 19:00, Tel: ++49 6221 22 514.

Police: (++49 6221) 110 / Fire brigade: (++49 6221) 112

Ambulance: (++49 6221) 19 222

Tourist information

The central tourist information can be found in front of the *Heidelberg Central Station* (*Hauptbahnhof*), another is located at the ground floor of the *Town Hall*, within 5 minutes walking distance from the conference venue. (Address: Marktplatz 10)

Food & Drinks

Close to the conference venue – within 15 minutes' walk

Who?	Where?	What?	Range?
Emma	Hauptstraße 129	Pizza - Cafe - Bar	€-€€
Essighaus	Plöck 97	German	€€
Hackteufel	Steingasse 7	German	€€
Kilimanjaro	Dreikönigstraße 6	Eastern African	€€
Knösel	Untere Straße 37	Alsatian - Cafe	€€
Kulturbrauerei	Leyergasse 6	German	€€
Kurpfälzisches Museum	Hauptstraße 97	Italian	€€
Mahmoud's	Heugasse 1	Arabian - Falafel	€-€€
Mosch Mosch	Hauptstraße 136	Japanese	€€
Palmbrau-Gasse	Hauptstraße 185	German	€€
Persepolis	Plöck 77	Persian	€-€€
Raja Rani	Friedrichstraße 15	Indian	€-€€
Regie	Theaterstraße 2	Cafe - Bistro - Bar	€€
Sahara	Hauptstraße 167	Lebanese - Falafel	€-€€
Zum Ritter St. Georg	Hauptstraße 178	German	€€€
Zum Roten Ochsen	Hauptstraße 217	German	€€
Zum Weißen Schwanen	Hauptstraße 142	German	€€
Cafés & bakeries			
Gundel	Grabengasse 6	Bakery - Snacks	€
Hörnchen	Heumarkt	Breakfast - Cafe	€
LaFée	Untere Straße 29	Cafe - Bar	€-€€
Marstall Café	Marstallhof 1	Cafe -Bar	€
Schiller's	Heiliggeiststraße 5	Cafe - Snacks	€-€€
YilliY	Haspelgasse 7	Cafe - Chocolaterie	€-€€

Remark: You will find plenty of other possibilities - bakeries, cafes, restaurants etc. - along the pedestrian-only *Main street (Hauptstraße)*; to enjoy Heidelberg's nightlife the most popular options can be found in the *Untere Straße*.

Heidelberg Beyond the TeaP

Heidelberg attracts people from all around the world - with its charming *Old Town* and its narrow alleys, and of course, the castle ruins. We would like to invite you to learn more about the history of the so-called “pearl of the Neckar,” its university, and a few special places to visit.



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It is far beyond Germany's borders that Heidelberg is well known for its beautiful historic center as well as for being the seat of the first German University. The ruins of the *Heidelberg Castle*, built as a royal residence for the Electorate of the Palatine. After being destroyed several times, abandoned, and almost written off by the the 18th century's aristocracy due to religious conflicts, Heidelberg gained new importance with the rise of the Grand Duchy of Baden. The *New University* building is a mute witness to Heidelberg's meaning for the Nazis during World War II – as is, among others, the *Thingstätte*, an amphitheater on top of the *Heiligenberg* on the opposite side of the river. As fifth-largest city of the *Land Baden-Württemberg*, nowadays Heidelberg is one of the main attractions of the *Rhine-Neckar Metropolitan Region*. Especially the castle ruins that form an important part of the picturesque, romantic cityscape attract thousands of tourists each year.

Heidelberg University

Founded in 1386 and spread throughout the city today, Heidelberg University forms an integral part of Heidelberg's city life. Due to its strong international orientation, almost 20% of its current total of more than 35.000 students and staff come from abroad. As a research-focused university that holds the concept of the comprehensive university as an important part of its self-image at the same time, Heidelberg University enhances its disciplinary strengths as well as advancing the interdisciplinary dialogue. By qualifying for the German Excellence Initiative in both 2006/2007 and 2012, Heidelberg University was given the best conditions to fulfill its ambitious aims. In combination with this distinguished status, the university's auspicious positions in international university rankings grant Heidelberg University its excellent reputation and a leading role in academia throughout the world.

Special places to visit

1 Heiliggeistkirche: The *Church of the Holy Spirit* was constructed in 1398. Facing the Town Hall, the late Gothic church is located at the *Market place (Marktplatz)* of Heidelberg and has been both Catholic and Protestant during its long history.

How to get there? The *Church of the Holy Spirit* is located in the center of the *Old Town* and only about 200 meters away from the *New University* building (*Neue Universität*).

2 Alte Brücke: The famous *Old Bridge* was erected in 1786-1788 by Elector Karl Theodor and consists of barrel vaults of red sandstone.

How to get there? The *Old Bridge* is also located in the center of the *Old Town*. Walking from the *New University* building (*Neue Universität*) you can reach it within a few minutes.

3 Studentenkarzer & Universitätsmuseum: In the so-called *Student Prison* students were imprisoned between 1778 and 1914. The university could place students under arrest for up to four weeks. Another spectacular part of the *University Museum*, is the *Old Lecture Hall*.

How to get there? The *Student Prison* as well as the *University Museum* are located right at the *University Square (Universitätsplatz)*, inside the *Old University* building (*Alte Universität*). (Address: Grabengasse 1, 69117 Heidelberg; opening hours: Tue-Sat: 10:00 - 16:00)

4 Universitätsbibliothek: The *University Library* was constructed in 1905 combining elements of German Mannerism of the late 16th century with Art Nouveau motifs. The *University Library* has over 3 million books, 1.5 million loans each year and is one of the finest buildings of the university - definitely worth a look.

How to get there? The *University Library* is adjacent to the *University Square (Universitätsplatz)*. (Address: Plöck 107-109, 69117 Heidelberg)

5 Heidelberger Schloss: Presumably built in between the 13th and 15th century, *Heidelberg Castle* served as one of the main seats of the Prince Electors of the Palatinate. It was continually enlarged by Ruprecht III and his successors, but destroyed by French troops during the War of Palatine Succession. Even today, the castle ruins still rise majestically over the roofs of the *Old Town* - one of the absolute must-see sights during a stay in Heidelberg.

How to get there? The easiest way to get up to the castle is to take the funicular railway (*Bergbahn*) - or you can take the stairs just next to the funicular railway station *Kornmarkt*.

6 Kongresshaus Stadthalle Heidelberg: The flagship and landmark amongst all the Heidelberg meeting and convention venues is the *Kongresshaus Stadthalle Heidelberg* (*Heidelberg Convention Center*). Conventions, congresses, trade fairs, exhibitions, concerts, balls are held in the *Großer Saal* – the very heart of the *Kongresshaus*. Up to 1250 guests can be welcomed into its splendor featuring elaborate 19th century decorations, paintings and fine sculptures. Taking pride of place is the unequaled and fully restored Voit organ from 1903, during which time it was the model for organ builders throughout Europe.

How to get there? The *Kongresshaus Stadthalle* is within walking distance from the conference venue and from hotels in the *Heidelberger Old Town (Altstadt)* as well as the *Bismarckplatz*, where almost all buses and trams stop. Bus lines 31, 32 and 35 go directly to the *Stadthalle*. (bus stop *Kongresshaus*). The best parking possibilities for visitors of the convention center are parking decks P6 and P8 in the convention center area.

7 Königstuhl: If you have enough time, combine visiting the castle with a short stay at the *King's Chair (Königstuhl)*, the highest point in the *Kleiner Odenwald*, the forest above the castle. You will have a wonderful view over the *Neckar* valley from about 568 meters height.

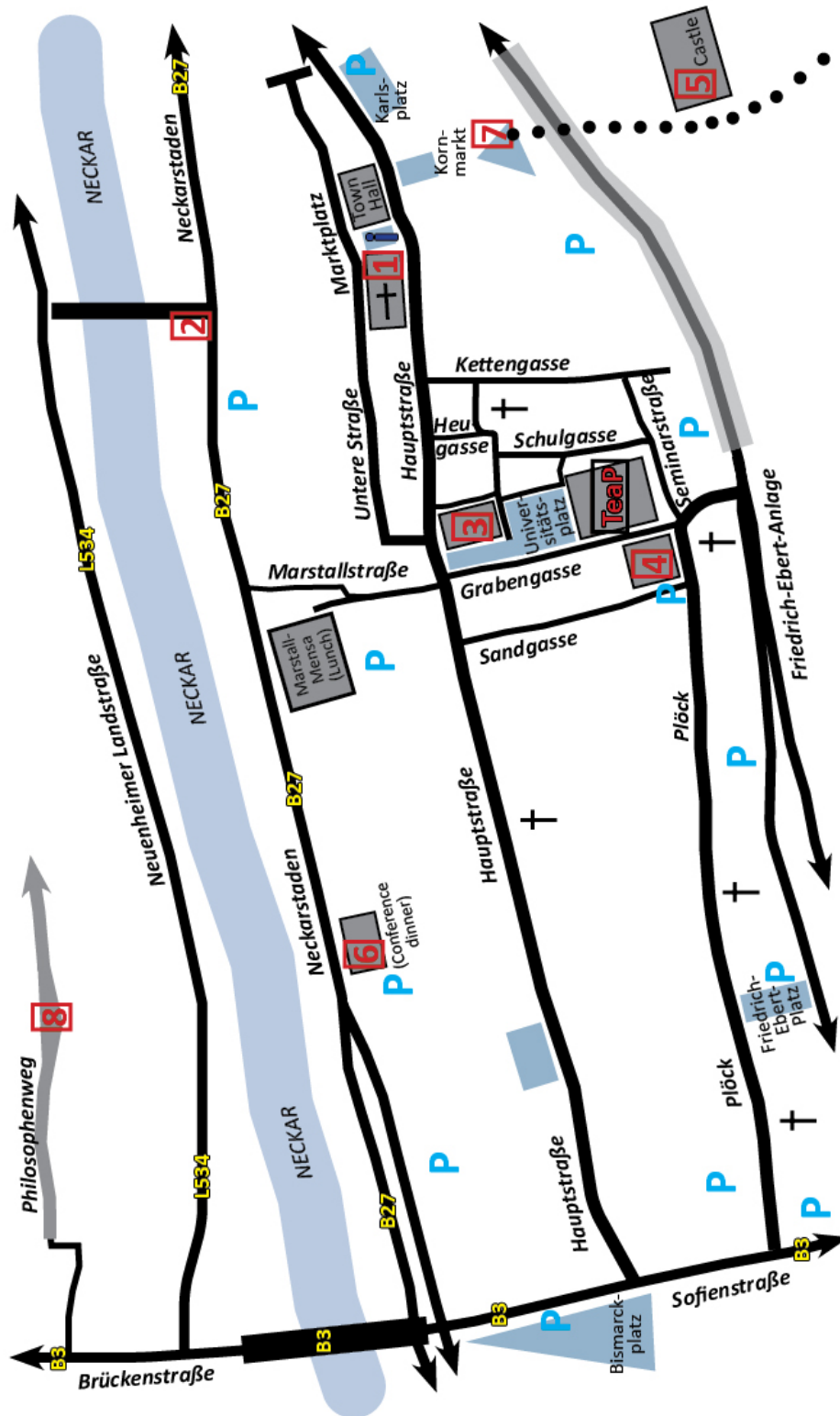
How to get there? Take the funicular railway (*Bergbahn*) via the stations *Castle (Schloss)* and *Molkenkur* to get to the top of the *King's Chair (Königstuhl)*.

8 Philosophenweg: The *Philosopher's Path* is one of Germany's most famous walks. Especially during the Romantic era many poets, famous thinkers and other "children of Heidelberg" - like Hölderlin, Eichendorff and Scheffel, to name a few examples - came here to relax, stroll around, as well as to be inspired by the nature and by the stunning view over the *Neckar* valley.

How to get there? You can begin the three-kilometer walk at different locations. The most suitable way starts in *Neuenheim*, located on the other side of the *Neckar* river.

Maps & Bus Timetables

Heidelberg - Old Town



Bus schedule

32



Universitätsklinikum - Hauptbahnhof - Bismarckplatz - Universitätsplatz

Abfahrtszeiten ab HD Hauptbahnhof

Kopf­klinik	Studentenwohnheim	Jugendherberge	Zoo	Medizinische Klinik	Botanischer Garten	Universitäts-Campus	Chirurgische Klinik	Jahnstr.	Betriebshof	HD Hauptbahnhof	Stadtwerke	Römerstr.	Altes Hallenbad	Bismarckplatz	St.Vinc.-Krankenhaus	Kongresshaus	Marstallstr.	Universitätsplatz
										0	3	5	6	8	11	12	13	15
																		Minuten Fahrzeit

Zertifiziertes Unternehmen

Uhr	Montag - Freitag					Samstag			Sonn- und Feiertag			Uhr
4												4
5	16	36	56			58 ^B						5
6	16	36	54			28 ^B	58 ^B					6
7	16	36	46	56	56	28 ^B	58 ^B		28 ^B	58 ^B		7
8	06	16	26	36	46	56	28 ^B	56	28 ^B	58 ^B		8
9	06	16	26	36	46	56	16	36	28 ^B	58 ^B		9
10	06	16	26	36	46	56	16	36	28 ^B	58 ^B		10
11	06	16	26	36	46	56	16	36	28 ^B	58 ^B		11
12	06	16	26	36	46	56	16	36	28	56		12
13	06	16	26	36	46	56	16	36	16	36	56	13
14	06	16	26	36	46	56	16	36	16	36	56	14
15	06	16	26	36	46	56	16	36	16	36	56	15
16	06	16	26	36	46	56	16	36	16	36	56	16
17	06	16	26	36	46	56	16	36	16	36	56	17
18	06	16	26	36	46	56	16	36	16	36	56	18
19	06	16	26	36	46	56	16	36	16	36	56	19
20	06	31 ^B	58 ^B			31 ^B	58 ^B		31 ^B	58 ^B		20
21	28 ^B	58 ^B				28 ^B	58 ^B		28 ^B	58 ^B		21
22	28 ^B	58 ^B				28 ^B	58 ^B		28 ^B	58 ^B		22
23	28 ^B	58 ^B				28 ^B	58 ^B		28 ^B	58 ^B		23
0	28 ^B					28 ^B			28 ^B			0
1												1
2												2

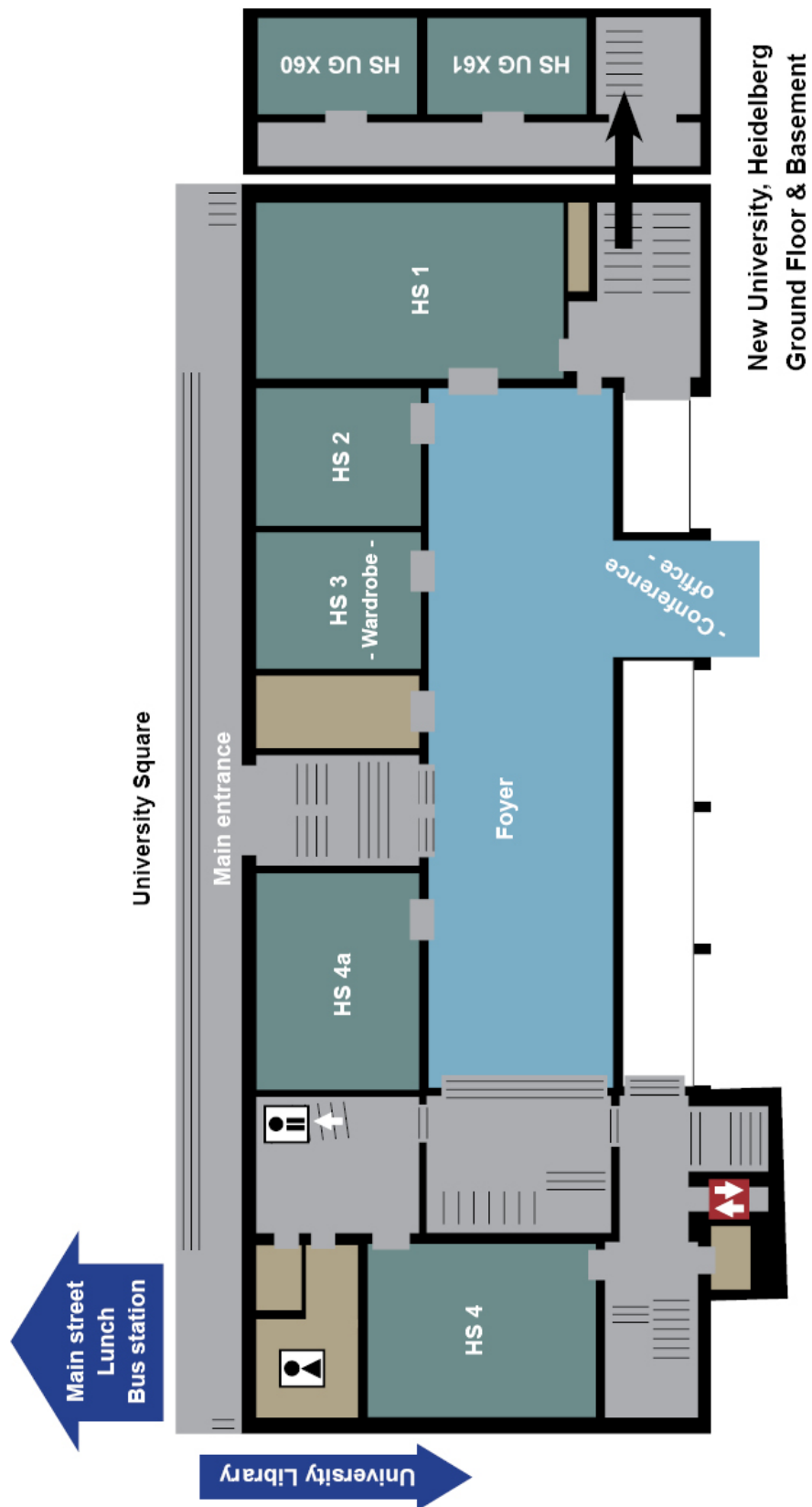
B = nur bis Bismarckplatz

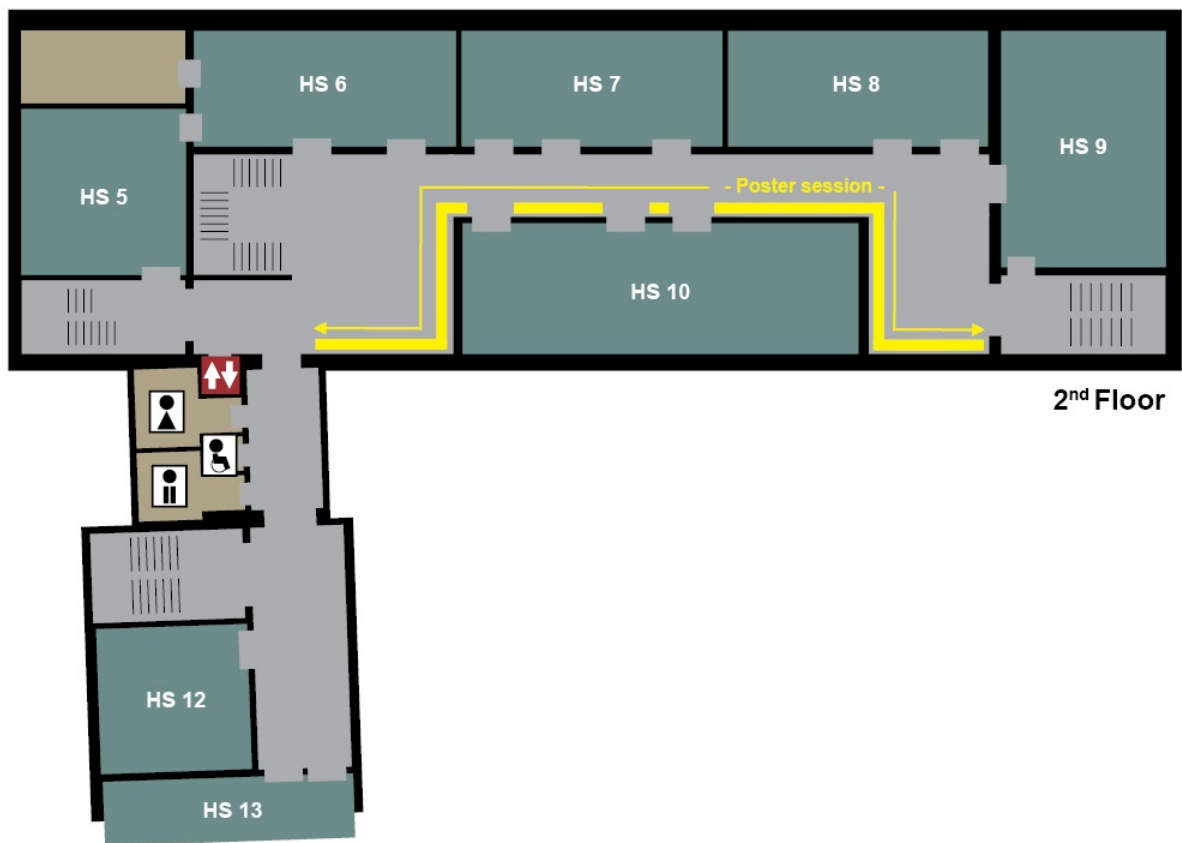
Am 24.12. und 31.12. Verkehr wie an Samstagen

Gültig ab 13.12.2015

Abfahrtszeiten ohne Gewähr

Floor Plan (*New University Building*)





Special Events

Pre-conference welcome reception

When? Sunday, March 20, 18:00 (registration will be possible from 18:00 till 21:00)

Where? Café Rossi (2nd floor; Address: Rohrbacher Straße 4, 69115 Heidelberg)

What's New at SMI? – Advances in SMI Eye Tracking Technology for Psychology Research. Overview and Outlook.

When? Monday, March 21, 15:20-16:20

Where? HS 8

Please register online: <http://tinyurl.com/teap2016-presentation>

Meeting of the "DGPs-Fachgruppe Allgemeine Psychologie" (in German, for DGPs members only)

When? Monday, March 21, 18:15

Where? HS 14

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 a get-together, discussions, and information exchange. We reserved a table for "Teap 2016".

When? Monday, March 21, 21:00

Where? Essighaus (Address: Plöck 97, 69117 Heidelberg)

Multi-sensory research with iMotions Biometric Research Platform

When? Tuesday, March 22, 15:20-16:20

Where? HS 8

To register please contact: markus.plank@imotions.com

DGPs Poster Award announcement

For the first time, the "DGPs-Fachgruppe Allgemeine Psychologie" has tendered the **TeaP Selected Poster Award** at this year's TeaP. All DGPs junior members who will present a poster at TeaP were invited to apply for the poster award.

The award winners will be announced and honored by the speaker of the "Fachgruppe" Christina Bermeitinger.

When? Tuesday, March 22, 12:00

Where? *New University building: Neue Aula, 3rd floor*

Conference dinner

We invite you to join the conference dinner in the *Großer Saal* of the Heidelberg Convention Center (*Kongresshaus Stadthalle* - see **Special places to visit**). You may use this evening to talk with your colleagues in a wonderful atmosphere, listen to the music and relax a little bit. The conference dinner will comprise three courses (starters, main dish, and dessert) and nonalcoholic (juices, soft drinks) as well as alcoholic beverages (beer, wine) which are covered by the conference dinner rate.

When? Tuesday, March 22, 19:15

Where? [Heidelberg Convention Center](#) (Address: Neckarstaden 24, 69117 Heidelberg)

PeaP – Party experimentell arbeitender Psychologinnen und Psychologen

The doctoral students of the Institute of Psychology of Heidelberg University invite all TeaP attendees to celebrate together at the TeaP conference party. The party takes place at the *turmBAR*, which is located in a penthouse (7th and 8th floor) with a wonderful view over Heidelberg. From *Bismarckplatz*, the *turmBAR* can be reached by taking bus line 32, tram line 22 to *Römerstrasse*, the tram line 23 to *Stadtbücherei*, or by a 12-minute walk. The first guests will receive a welcome drink.

Those of you who will be at the conference dinner can easily reach the “*turmBAR*” by taking the bus line 35 directly from *Kongresshaus* to *Römerstrasse* after the dinner.

When? Tuesday, March 22, 21:30 (ends at 2:00)

Where? [turmBAR](#) (Address: Alte Glockengiesserei 9, 69115 Heidelberg)

Concluding open panel discussion: "Replicability crisis in experimental psychology?!"

In cooperation with the "DGPs-Fachgruppe Allgemeine Psychologie" the scientific committee of this year's TeaP invited a group of experts on methodology from different areas of experimental psychology to share their divergent views about whether there is a replicability crisis in experimental psychology and how to deal with it in an open discussion. All TeaP attendees are invited to join this event.

When? Wednesday, March 23, 15:30-16:30

Where? *New University building: Neue Aula, 3rd floor*

Information for Presenters

Language of presentations

The official language is English, but some presentations will also be held in German. To avoid possible confusion, the actual language of oral presentations and posters should be consistent with the language of the abstract that was accepted for presentation.

Symposium and talk sessions

Symposium convenors and session chairs are asked to strictly keep to the schedule of the sessions to allow attendees to switch between sessions. Each talk (including discussion) is allocated a time slot of 20 minutes. We recommend that the presentations last about 15 minutes followed by a 5-minutes discussion. In some cases, it may be possible to extend the presentation and to postpone parts of the discussion until the end of the session. This might be an option especially for those symposia, for which a concluding discussion is already planned. Symposium convenors and session chairs are encouraged to use the number displays included at the end of the program to inform the presenters about their remaining time.

Oral presentations

Each presentation is allocated a time slot of 20 minutes. We recommend that presentations last about 15 minutes followed by a 5-minutes discussion. Computers for PowerPoint or PDF presentations are available in all lecture halls. Please, refrain from using your own computer to save time for the presentations and to avoid compatibility problems. If you prepare your PowerPoint presentation, please make sure that it is compatible with Microsoft PowerPoint 2010 for Windows. Furthermore, we recommend using standard fonts to minimize the risk of a distorted layout. If you need any particular additional equipment, please let us know in advance by contacting: teap2016@psychologie.uni-heidelberg.de.

Please make sure you copy your presentation files on the respective computer's hard drive at the lecture hall, at least 10 minutes before your session starts, using a flash drive. Preferably, you should do this in the morning or the break prior to the respective session. Ask the technical assistants for help, if needed. They will be present 30 minutes before each session and stay until the end.

Poster presentation

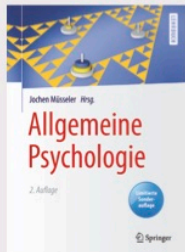
Poster presenters are asked to prepare their posters in **DIN A0 portrait format** (900 mm x 1200 mm maximum). There will be three poster sessions, one per conference day. The poster sessions will take place in the 2nd floor hallway (see [Floor Plan](#)) from 14:00 to 15:00 on Monday and Tuesday and from 10:50 to 11:50 on Wednesday. There is a number assigned to each poster and you will find the number of your poster in this program. The

number of your poster indicates the wall where you should put it on. In the program there is a letter preceding each poster number that merely indicates the day the poster is scheduled for (i.e., M = Monday, T = Tuesday, W = Wednesday). Please put your posters up in the morning, to give interested colleagues the possibility to view them all day. 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.

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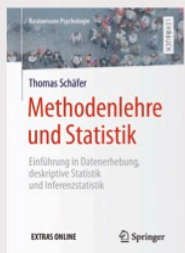
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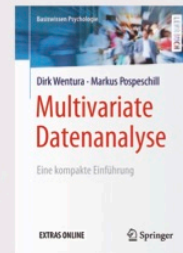
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Program Overview

Sunday, March 20, 2016		
18:00	Pre-Conference Welcome Reception	<i>Café Rossi, 2nd Floor</i>
Monday, March 21, 2016		
8:00	Registration	Conference Office
8:40	Talk Sessions	Lecture Halls
10:00	Coffee Break	3 rd Floor Foyer
10:30	Talk Sessions	Lecture Halls
12:00	Welcome Address & Keynote Lecture I – Asher Koriat	<i>Neue Aula, 3rd Floor</i>
13:00	Lunch Break	
14:00	Poster Sessions & Coffee	2 nd Floor Hallway
15:00	Talk Sessions	Lecture Halls
16:20	Coffee Break	3 rd Floor Foyer
16:40	Talk Sessions	Lecture Halls
18:15	Meeting "Fachgruppe"	HS 14
21:00	Meeting of Young Scientists	<i>Essighaus</i>
Tuesday, March 22, 2016		
8:00	Registration	Conference Office
8:40	Talk Sessions	Lecture Halls
10:00	Coffee Break	3 rd Floor Foyer
10:30	Talk Sessions	Lecture Halls
12:00	DGPs Poster Award Announcement & Keynote Lecture II – Eric-Jan Wagenmakers	<i>Neue Aula, 3rd Floor</i>
13:00	Lunch Break	
14:00	Poster Session & Coffee	2 nd Floor Hallway
15:00	Talk Sessions	Lecture Halls
16:20	Coffee Break	3 rd Floor Foyer
16:40	Talk Sessions	Lecture Halls
19:15	Conference Dinner*	<i>Kongresshaus Stadthalle</i>
Wednesday, March 23, 2016		
9:00	Coffee Break	3 rd Floor Foyer
9:20	Talk Sessions	Lecture Halls
10:50	Poster Session & Coffee	2 nd Floor Hallway
12:00	Keynote Lecture III – Klaus Scherer	<i>Neue Aula, 3rd Floor</i>
13:00	Lunch Break	
14:00	Talk Sessions	Lecture Halls
15:30	Concluding Open Panel Discussion (ends 16:30)	<i>Neue Aula, 3rd Floor</i>

*requires special pre-registration

Keynote Lectures

We are very pleased to welcome three outstanding keynote speakers to this year's TeaP conference: Asher Koriat (University of Haifa), Klaus Scherer (LMU, Swiss Center for Affective Sciences), and Eric-Jan Wagenmakers (University of Amsterdam).

The Keynote lectures will take place on each conference day in the **Neue Aula** on the 3rd floor (see [Floor Plan](#)), starting at **12:00** after the second talk sessions.

Keynote Lecture I - Monday, March 21:

Monitoring the correctness of our own knowledge: Subjective Confidence and its accuracy

Prof. Asher Koriat

University of Haifa, Israel

Confidence judgments have been used in many research domains, in part as a tool to aid in modelling cognitive processes. But what is the basis of subjective confidence in our knowledge and judgments? Why are confidence judgments generally accurate in discriminating between correct and wrong responses? These questions have concerned philosophers and psychologists. A self-consistency theory will be presented for the basis of confidence judgments and their accuracy. It assumes that the process underlying subjective confidence in general-knowledge questions and perceptual judgments has much in common with that underlying statistical inference about the outside world. Participants behave like intuitive statisticians who attempt to reach a conclusion about a population based on a small sample of observations drawn from memory. Reliability is used as a basis of validity and therefore metacognitive accuracy depends heavily on cognitive accuracy: The confidence / accuracy correlation is positive only when people's cognitive performance is largely correct, but is negative when people are largely in error. Results consistent with the theory were obtained across many domains, and the theory was shown to have implication for several issues including social conformity, group decisions, and the wisdom of crowds.



Keynote Lecture II - Tuesday, March 22:



Transparent Research Practices:

Past Roots, Present Revolution, and Future Prospects

Prof. Eric-Jan Wagenmakers

University of Amsterdam, Netherlands

In the past few years, psychological science has undergone a paradigmatic revolution. This revolution is the direct consequence of a "crisis of confidence", the increasing realization that many published findings may be fiction rather than fact. The first part of this presentation provides some historical background and describes the defining events that have caused the revolution ("the straws that broke the camel's back"). The middle part of this presentation discusses the current changes and initiatives that seek to promote openness and align the incentives for the field ("truth-finding") with those for individual researchers ("publish, not perish"). The final part of this presentation outlines a vision for the future, illustrated with a hypothetical example: the perfect experiment.

Keynote Lecture III - Wednesday, March 23:

Experimental evidence for major emotion theories:

A comparative survey

Prof. Klaus Scherer

Ludwig-Maximilians-Universität München

& Swiss Center for Affective Sciences, Geneva, Switzerland

The field of emotion has been, and still is, beset by the large number of competing theories (by some counts – several hundreds), generating endless conceptual and methodological difficulties, not the least being the problem of agreeing on a common definition of what an emotion is. Even more serious is the problem of agreeing on what constitutes sufficient evidence that supports a particular theory, justifying to continue paying attention to it. This situation is rendered even more problematic by the fact that most theories do not propose clear predictions or hypotheses that lend themselves to empirical operationalization, let alone to systematic experimental testing. In this keynote, I will attempt to survey some of the major theories in the field with respect to the amount of experimental evidence (in the wider sense) it has generated and discuss the issue of whether all theories are created equal with respect to experimental testability. In so doing, I will specifically focus on the issues of lawful mechanisms and different types of cause-effect relationships.



Program Monday

Monday, 8:40-10:00														
New Perspectives on the Development of Spatial Cognition *	H. Krist & G. Schwarzer	Contextualized Decision Making: Investigating Moderators and Mediators *	A. Bröder et al.	Current Research on Meta-cognitive Monitoring and Control *	Applied Social Psychology	Expertise / Skill Acquisition	Ergonomics I	Psychology of Olfaction *	Psychological Assessment	Visual Attention I	Neural Correlates of Object Knowledge *	Action Control I	Breaking the Rules *	
				B.G. Kuhlmann & M. Undorf	M. Schott	F. Sense	S. Mayr	P. Baess & R.P. Hackländer	B. Diedenhofen	P. Khader	M. Ghio & C. Bellebaum	M. Rieger	R. Wirth et al.	
				HS 4a	HS 4	HS 5	HS 6	HS 7	HS 9	HS 10	HS 12	HS 13	HS 14	
Monday, 10:30-12:00														
New Perspectives on the Development of Spatial Cognition *	H. Krist & G. Schwarzer	Contextualized Decision Making: Investigating Moderators and Mediators *	A. Bröder et al.	Current Research on Meta-cognitive Monitoring and Control *	Motivated Cognition	Language Processing I	Ergonomics II	Psychology of Olfaction *	Extending Basic and Applied Experimental Cognitive Research with ACT-R *	Visual Attention II	Traffic Psychology I	Action Control II	Unethical Behavior: (Bridging) Experimental Approaches to Cheating and Lying *	
				B.G. Kuhlmann & M. Undorf	A. Steimer	T. Lehnert	U. Drescher	P. Baess & R.P. Hackländer	M. Wirtzberger	G. Volberg	A. Leder	D. Czernochowski	B. Hilbig	
				HS 4a	HS 4	HS 5	HS 6	HS 7	HS 9	HS 10	HS 12	HS 13	HS 14	
Monday, 12:00-13:00, Neue Aula: Opening / Keynote I - Asher Koriat "Monitoring the correctness of our own knowledge: Subjective Confidence and its accuracy"														

Monday, 12:00-13:00, Neue Aula: Opening / Keynote I - Asher Koriat "Monitoring the correctness of our own knowledge: Subjective Confidence and its accuracy"

*Symposia

Program Monday

Monday, 14:00-15:00: Posters I													
Principles and Applications in Pupillometry * J. Ehlers	Decision Making I B. van Helversen	Working Memory D. Scherer	Cognitive, Affective, and Social Mechanisms Involved in the Aesthetic Appreciation of Visual Art and Design * R. Hübner & M. Forster	Language Processing II M. Rabovsky	Dynamic Decision Making * A. Fischer et al.	Unconscious Cognition Unlimited? Methodological Considerations * G. Hesselmann & M. Rothkirch	Contemporary Methods for Experimental Psychology * H. Singmann	The Effects of Red on Social Perception and Interpersonal Behavior * S. Schwarz & D. Niesta-Kayser	Reliance on Automation * A.K. Huemer	Attentional Binding & Action Control C. Frings	Social Norms A. Weiss	Monday, 15:00-16:20	
	HS 1	HS 4a	HS 4	HS 5	HS 6	HS 7	HS 9	HS 10	HS 12	HS 13	HS 14		
Principles and Applications in Pupillometry * J. Ehlers	Social Decision Making W. Gaissmaier	Attention S. Getzmann	Cognitive, Affective, and Social Mechanisms Involved in the Aesthetic Appreciation of Visual Art and Design * R. Hübner & M. Forster	Inter-individual Differences in Controlling Choices and Adapting to Environmental Changes * D. Hämmerer	Dynamic Decision Making* A. Fischer et al.	Perception M. Friedrich	Real Life is a Lab, Too! Combining Intensive Longitudinal Designs and Experimental Designs * A. Neubauer	The Effects of Red on Social Perception and Interpersonal Behavior * S. Schwarz & D. Niesta-Kayser	Vulnerable Road Users * A.K. Huemer	Action Control & Emotion A. Eder	Social Cognition D. Pril	Monday, 16:40-18:00	
18:15: Meeting "Fachgruppe" (HS 14) / 21:00: Meeting of Young Scientists ("Essighaus")													

*Symposia

Program Tuesday

Tuesday, 8:40-10:00									
Action Control & Motivation P. Kirsch	Adaptive Neural Processing During Sensory Working Memory * T.B. Christophel	Inhibition A. Rey-Mermet	Clinical Psychology I S. Hauschild	Action Control in Social Cognition O. Genschow	Personality I. Thielmann	Inter-Individual Differences in Non-conscious Perception and Access to Awareness * A. Jusyte & T. Stein	Cognitive Modeling in Memory and Decision Making * D. Kellen et al.	Automatic Processing of Facial Information in Context * M. Rohr	Kognition und Emotion in der Mensch-Technik-Interaktion * N. Backhaus et al.
								The Regulation of Cognitive Control in Multitasking * M. Janczyk & R. Fischer	Recent Advances in Evaluative Conditioning Research * M. Hütter
HS UGX60	HS 1	HS 4a	HS 4	HS 5	HS 6	HS 7	HS 9	HS 10	HS 12
Spatial Reference Frames for Action * K. Fiehler	Decision Making II S. Müller	Memory I B. Pastötter	Emotion A. Haberkamp	Social perception F. Sedlmair	Learning A. Thorwart	Inter-individual differences in non-conscious perception and access to awareness * A. Jusyte & T. Stein	Cognitive Modeling in Memory and Decision Making * D. Kellen et al.	Action Control III M.P. Wolkersdorfer	Kognition und Emotion in der Mensch-Technik-Interaktion * N. Backhaus et al.
								The Regulation of Cognitive Control in Multitasking * M. Janczyk & R. Fischer	Recent Advances in Evaluative Conditioning Research * M. Hütter
Tuesday, 10:30-12:00									
Tuesday, 12:00-13:00, Neue Aula: DGPs Poster Award Announcement & Keynote II - Eric-Jan Wagenmakers "Transparent research practices: Past roots, present revolution, and future prospects"									

*Symposia

Program Tuesday

Tuesday, 14:00–15:00: Posters II											
Tuesday, 15:00–16:20						Tuesday, 16:40–18:20					
Spatial Cognition – Spatial Language, Culture, Memory, and Modeling *	Decision Making & Modeling	Memory II	Embodied Cognition I	Social Cognition and Action Control *	Face Processing	Choice Behavior	Diffusion Model Analyses *	Action Control IV	Multimedia Learning	Action control *	Recent Advances in Evaluative Conditioning Research *
F. Röser & K. Hamburger	M. Jekel	A. Alsan	M. Nuszbaum	R. Liepelt & B. Hommel	A. Böckler	N. Ashby	V. Lерche & A. Voß	T. Kleinsorge	S. Moser	C. Seegelke & D. Koester	M. Hütter
HS UGX60	HS 1	HS 4a	HS 4	HS 5	HS 6	HS 7	HS 9	HS 10	HS 12	HS 13	HS 14
Speech	Music Cognition *	Complex Attentional Processing	Numerical Cognition *	Implicit Priming *	Reasoning I	Time Perception	Methodology	Action Control V	Modulating Brain Dynamics by Non-Invasive Brain Stimulation *	Can't Take My Eyes off You *	New (Self-) Measurement of the Individual *
B. Gagl	T. Schäfer & C. Kaernbach	S. Schindler	A. Knops	D. Memmert & M. Weigelt	M. von Sydow	H.S. Meyerhoff	F. Renke-witz	S. Mueller	N. Schaal & A. Keitel	F. Goller & F. Mast	L. Fritsche
Tuesday, 19:15, Kongresshaus Stadthalle: Conference Dinner											

*Symposia

Program Wednesday

Wednesday, 9:20-10:50											
HS UGX60	HS 1	HS 4a	HS 4	HS 5	HS 6	HS 7	HS 9	HS 10	HS 12	HS 13	HS 14
Uncovering the Dynamics of Cognitive Processes Using Mouse-Tracking *	Body Perception and Personal Space *	Memory and Cognition in Applied Contexts	Embodied Cognition II	From Molecules to Mind *	Reasoning II	Recent Advances in TVA-Based Visual Attention Research *	Human Performance Under Multiple Cognitive Task Requirements: From Basic Mechanisms to Optimized Task Scheduling *	Action Control & Distraction	Distraction and Driving *	Action Control in Dual Task Performance	Social Cognition & Group Processing
P.J. Kieslich & S. Scherbaum	J. Trojan	R. Bell	A. Rothe-Wulf	U. Ettinger	A.H. Danek	K. Finke et al.	E. Poljac et al.	M. Wendt	A.K. Huemer	T. Strobach	F. Krueger
Wednesday, 10:50-11:50: Posters III											
Wednesday, 12:00-13:00, Neue Aula: Keynote III - Klaus Scherer "Experimental evidence for major emotion theories: A comparative survey"											
Wednesday, 14:00-15:20											
Uncovering the Dynamics of Cognitive Processes Using Mouse-Tracking *	-	Problem Solving	Clinical Psychology II	From Molecules to Mind *	Attention & Psychophysiology	Recent Advances in TVA-Based Visual Attention Research *	Human Performance Under Multiple Cognitive Task Requirements: From Basic Mechanisms to Optimized Task Scheduling *	Cross-modal Action Control	Traffic Psychology II	Action Control VI	Moral Courage *
P.J. Kieslich & S. Scherbaum		A. Werner	C. Schwieren	U. Ettinger	K. Küper	K. Finke et al.	E. Poljac et al.	I. Koch	M. Freese	A. Lezkan	D. Niesta-Kayser et al.
Wednesday, 15:30-16:30, Neue Aula: Concluding Open Panel Discussion** - "Replicability Crisis in Experimental Psychology?!"											

*Symposia

**in cooperation with the "Fachgruppe Allgemeine Psychologie"

Talks & Symposia I, Monday, 8:40-10:00

Symposium

New Perspectives on the Development of Spatial Cognition (Part I)

- | | | |
|------|---|--|
| | HS UGX60 | Convenors: P. Horst Krist & Gudrun Schwarzer |
| 8:40 | Distinct visual habituation to real objects and pictures of those objects in infancy
<i>Theresa Gerhard^a, Jody Culham^b & Gudrun Schwarzer^a</i>
^a Gießen University, ^b The University of Western Ontario | |
| 9:00 | Mental rotation in 6-month-old infants
<i>Tatjana Kaaz & Martin Heil</i>
^a Heinrich-Heine-University Düsseldorf | |
| 9:20 | New findings on object permanence among 2.5-year-olds concerning the rotation of hidden objects
<i>Mirjam Ebersbach^a & Christian Nawroth^b</i>
^a Universität Kassel, ^b University of London | |
| 9:40 | Preschoolers are reluctant to posit the existence of another identical object based on spatio-temporal evidence
<i>Horst Krist & Katharina Sieber</i>
EMA Universität Greifswald | |

Symposium

Contextualized Decision Making: Investigating Moderators and Mediators (Part I)

- | | | |
|------|---|---|
| | HS 1 | Convenors: Arndt Bröder, Herbert Bless, Edgar Erdfelder, Klaus Fiedler, Mandy Hütter, Florian Kutzner, Thorsten Meiser, Rüdiger Pohl & Michaela Wänke |
| 8:40 | Consequences of feeling-dependent shifts of levels of mental abstraction
<i>Axel Burger, Sabine G. Scholl & Herbert Bless</i>
University of Mannheim | |
| 9:00 | Adaptive advice taking? Seeking and using advice in different information ecologies
<i>Fabian Ache & Mandy Hütter</i>
University of Tübingen | |
| 9:20 | The memory state heuristic: A research program
<i>Marta Castela, Edgar Erdfelder & Rüdiger Pohl</i>
University of Mannheim | |
| 9:40 | Assessing and explaining individual differences in use of the recognition heuristic
<i>Martha Michalkiewicz, Rüdiger Pohl & Edgar Erdfelder</i>
University of Mannheim | |

Symposium

Current Research on Metacognitive Monitoring and Control (Part I)

- HS 4a Convenors: *Beatrice G. Kuhlmann & Monika Undorf*
- 8:40 **Intuitive metacognitive judgments: On being accurate without beliefs**
Monika Undorf^a & Thea Zander^b
^a University of Mannheim, ^b University of Basel
- 9:00 **Emotional information processing in memory predictions**
Effi Volz-Sidiropoulou, Trintje Helbing, Thomas Forkmann & Siegfried Gauggel
RWTH University Hospital
- 9:20 **Lies, memory and metamemory: The contribution of experience-based and theory-based processes to memory predictions about lying**
Miri Besken
Bilkent University
- 9:40 **Metacognitive judgements of performance in patients with major depression**
Barbara Druke, Siegfried Gauggel & Verena Mainz
RWTH Aachen University

Talk session

Applied Social Psychology

- HS 4 Chair: *Malte Schott*
- 8:40 **Measuring discrimination against foreigners on the apartment rental market**
Malte Schott, Matthias Bluemke, Anja Schnurr, Paul Freihaut & Joschka Zierke
Heidelberg University
- 9:00 **“You are not supposed to see this” - How information about non-consensual distribution affects picture perception**
Frederike Wenzlaff & Arne Dekker
University Medical Center Hamburg-Eppendorf
- 9:20 **When and why social exclusion affects the discrimination between lie and truth**
Jennifer Eck^a, Christiane Schoel^a, Marc-André Reinhard^b & Rainer Greifeneder^c
^aUniversity of Mannheim, ^b University of Kassel, ^c University of Basel
- 9:40 **Manipulation of indirect discrimination of gay men and mental health outcomes**
Norman Wolf, Ricarda Mewes & Frank Sattler
Philipps-University Marburg

Talk session

Expertise/ Skill Acquisition

HS 5

Chair: *Florian Sense*

- 8:40 **Spotting lesions in a split of a second - Neural mechanisms behind radiological expertise**

Merim Bilalic

Alpen-Adria-University Klagenfurt

- 9:00 **Is age really cruel to experts: Compensatory effects of activity**

Nemanja Vaci, Bartosz Gula & Merim Bilalic

Alpen-Adria-University Klagenfurt

- 9:20 **Accuracy in imagined dart throwing**

Stephan F. Dahm & Martina Rieger

UMIT Hall in Tirol

- 9:40 **Psychometric predictors of academic performance**

Florian Sense, Susan Niessen, Rob R. Meijer & Hedderik van Rijn

University of Groningen

Talk session

Ergonomics I

HS 6

Chair: *Susanne Mayr*

- 8:40 **Reading from computer screen or reading from paper? - A re-assessment of the differences in proofreading performance and subjective well-being**

Susanne Mayr^a, Maja Köpper^b & Axel Buchner^b

^a Universität Passau, ^b Heinrich-Heine-Universität Düsseldorf

- 9:00 **Webpages and personalized banner ads: Effects on visual attention, recognition memory, and task performance**

Marco Rüth^a, Kai Kaspar^a, Kai-Christoph Hamborg^b & Moritz Köster^b

^a University of Cologne, ^b University of Osnabrück

- 9:20 **Including facilitation functionality in training increases task effectiveness in test: Evidence from interactive map use**

Julia Moritz & Stephan Schwan

Leibniz-Institut für Wissensmedien

- 9:40 **How do users relearn uncertain concepts? - Insights into the learning process via eye movements**

Johanna Renker & Gerhard Rinkenauer

Leibniz Research Centre for Working Environment and Human Factors

Symposium

Psychology of Olfaction (Part I)

HS 7

Convenor: *Pamela Baess & Ryan P. Hackländer*

- 8:40 **Forest and flowers, trees and plants: Do specific odorants bias the level of processing of a visual scene?**

Ryan P. Hackländer, Pamela Baess, Clara Hellweg & Christina Bermeitinger
Universität Hildesheim

- 9:00 **Reminders of the recent and distant past: Odor-based context dependent memory**

Maria Larsson & Gösta Ekman
Stockholm University

- 9:20 **Olfaction and emotion**

Anne-Kathrin Bestgen, Patrick Schulze, Boris Suchan & Lars Kuchinke
Ruhr-Universität Bochum

- 9:40 **The effect of olfactory synaesthesia on odour language and cognition**

Laura Speed & Asifsa Majid
Radboud University

Talk session

Psychological Assessment

HS 9

Chair: *Birk Diedenhofen*

- 8:40 **Option weights should be determined empirically and not by experts when assessing knowledge with multiple-choice items**

Birk Diedenhofen & Jochen Musch
Heinrich-Heine-Universität Düsseldorf

- 9:00 **An experimental validation of sequential multiple-choice tests**

Martin Papenberg, Birk Diedenhofen & Jochen Musch
Heinrich-Heine-Universität Düsseldorf

- 9:20 **Baselinemessung bei Fragebögen: Eine Annäherung an die Wahrnehmung von Ratingskalen?**

Katja Buntins, Matthias Buntins & Claus Carstensen
University of Bamberg

- 9:40 **Erfassung körperlicher Aktivität in der Selbstevaluation gesundheitsbezogenen Verhaltens: Validität und Usability von Wearables**

Guillermo Hidalgo Gadea^a, Sebastian Schnieder^a, Sonja-Dana Roelen^a, André Wiggerich^b & Jarek Krajewski

^a University of Wuppertal, ^b TU Dresden

Talk session

Visual Attention I

HS 10

Chair: *Patrick Khader*

- 8:40 **Upside-down: Static reference frames influence multiple object tracking**
Frank Papenmeier^a, Hauke Meyerhoff^b, Alisa Brockhoff^a, Georg Jahn^c & Markus Huff^a
^a University of Tübingen, ^b Leibniz-Institut für Wissensmedien, ^c University of Lübeck
- 9:00 **Not FLEXible enough: Exploring the temporal dynamics of attentional reallocations with the multiple object tracking paradigm**
Markus Huff^a, Frank Papenmeier^a, Georg Jahn^b & Hauke Meyerhoff^c
^a University of Tübingen, ^b University of Lübeck, ^c Leibniz-Institut für Wissensmedien
- 9:20 **Visual working memory for invisible parts of an object as revealed by amodal completion**
Markus Conci, Siyi Chen & Hermann J. Müller
LMU Munich
- 9:40 **Neural correlates of the maintenance of constructed objects in visual working memory**
Patrick Khader^a, Satu Palva^b, Frank Rösler^c & Julia Ewerdtwalbesloh^a
^a LMU Munich, ^b University of Helsinki, ^c Universität Hamburg

Symposium

Neural Correlates of Object Knowledge: The Role of Individual Experience in Shaping Object Representations

HS 12

Convenors: *Marta Ghio & Christian Bellebaum*

- 8:40 **Sensorimotor semantics: How perceptual experience relates to on-line language processing**
Shirley-Ann Rueschemeyer
University of York
- 9:00 **Experience-dependent representation of object concepts in the sensory and motor brain systems**
Markus Kiefer
Ulm University
- 9:20 **Learning to tie the knot: The acquisition of functional object representations by physical, linguistic and observational experience**
Emily S. Cross
Bangor University
- 9:40 **Manipulating, observing or smelling unfamiliar tools: How sensory and motor experience contributes to the neural representation of novel object concepts**
Marta Ghio & Christian Bellebaum
Heinrich-Heine-University Düsseldorf

Talk session

Action Control I

HS 13

Chair: *Martina Rieger*

8:40 **On the influence of practice on the activation of facial muscles**

Julia Kozlik^a & Roland Neumann^b

^a Ernst-Moritz-Arndt-University Greifswald, ^b Trier University

9:00 **Stimulus conflict triggers behavioral avoidance**

David Dignath^a & Andreas Eder^b

^a University of Freiburg, ^b University of Würzburg

9:20 **Implicit factors dominate visuomotor binding**

Alexandra Reichenbach^a & Joern Diedrichsen^b

^a Hochschule Heilbronn, ^b Western University

9:40 **Inhibitory mechanisms in motor imagery: A novel action mode switching paradigm**

Martina Rieger^a, Stephan F. Dahm^a & Iring Koch^b

^a UMIT Hall in Tirol, ^b RWTH Aachen University

Symposium

Breaking the Rules

HS 14

Convenors: *Robert Wirth, Anna Foerster & Roland Pfister*

8:40 **Looking for trouble, then looking for cops: Rule-violations sensitize towards authority-related stimuli**

Robert Wirth, Roland Pfister, Anna Foerster & Wilfried Kunde

University of Würzburg

9:00 **Empathic competencies and prosocial behavior in healthy individuals compared with antisocial violent offenders**

Sarah V. Mayer^a, Aiste Jusyte^a, Olga M. Klimecki^b & Michael Schönenberg^a

^a University of Tübingen, ^b University of Geneva

9:20 **Alibi effects in a cued lying paradigm**

Anna Foerster, Roland Pfister, Robert Wirth, Oliver Herbort & Wilfried Kunde

University of Würzburg

9:40 **Telling ordinary lies: The role of distinctiveness in implicit retrieval of lies**

Franziska Schreckenbach, Nicolas Koranyi & Klaus Rothermund

Friedrich Schiller University Jena

Talks & Symposia II, Monday, 10:30-11:50

Symposium

New Perspectives on the Development of Spatial Cognition (Part II)

- | | | |
|-------|---|--|
| | HS UGX60 | Convenors: <i>Horst Krist & Gudrun Schwarzer</i> |
| 10:30 | Connection between preschool children`s performance in theory-of-mind and mental-rotation tasks
<i>Jennifer Lehmann, Jana Beh & Petra Jansen</i>
University of Regensburg | |
| 10:50 | Influence of free exploration on navigation skills in pre-school children in Namibia and in Germany: Cultural differences in exploration behavior
<i>Sarah Monzel & Eva Neidhardt</i>
Universität Koblenz-Landau | |
| 11:10 | Spatial abilities are related to an understanding of proportions and formal fractions
<i>Andrea Frick & Wenke Möhring</i>
University of Fribourg | |
| 11:30 | Discussion
<i>Gudrun Schwarzer</i>
Gießen University | |

Symposium

Contextualized Decision Making: Investigating Moderators and Mediators (Part II)

- | | | |
|-------|--|--|
| | HS 1 | Convenors: <i>Arndt Bröder, Herbert Bless, Edgar Erdfelder, Klaus Fiedler, Mandy Hütter, Florian Kutzner, Thorsten Meiser, Rüdiger Pohl & Michaela Wänke</i> |
| 10:30 | Intuitive and deliberate decisions from memory
<i>Arndt Bröder & Michael Gräff</i>
University of Mannheim | |
| 10:50 | Density Biases & Pseudocontingencies: How feature-dimension framing influences contingency learning processes.
<i>Max Ihmels, Florian Kutzner & Klaus Fiedler</i>
Heidelberg University | |
| 11:10 | Pseudocontingency effects on choice behavior: Moderators in the learning environment and the learner
<i>Hanna Fleig^a, Thorsten Meiser^a & Jan Rummel^b</i>
^a University of Mannheim, ^b Heidelberg University | |

11:30 **Discussion**

Andreas Glöckner

FernUniversität in Hagen

Symposium

Current Research on Metacognitive Monitoring and Control (Part II)

HS 4a

Convenors: *Beatrice G. Kuhlmann & Monika Undorf*

10:30 **Metacognitive awareness and prospective memory: Understanding the cue-focality effect**

Jan Rummel^a & Beatrice G. Kuhlmann^b

^aHeidelberg University, ^bUniversity of Mannheim

10:50 **Is ease of processing used as a cue for metacognitive judgments?**

Elisabeth Pieger^a, Christoph Mengelkamp^b & Maria Bannert^a

^aTU München, ^bUniversität Würzburg

11:10 **The effect of time pressure on metacognitive control processes**

Nike Tsalas, Beate Sodian & Markus Paulus

LMU Munich

11:30 **Beware of free recall! Age-related deficit in adapting study behavior to the memory-test format**

Beatrice G. Kuhlmann

University of Mannheim

Talk session

Motivated Cognition

HS 4

Chair: *Andreas Steimer*

10:30 **Motivated beliefs about the malleability of personality in present and future**

Andreas Steimer^a & André Mata^b

^aHeidelberg University, ^bISPA University Institute

10:50 **High levels of basal testosterone are associated with less majority and minority influence on attitude formation**

Markus Germar & Andreas Mojzisch

University of Hildesheim

11:10 **Creativity depends on regulatory focus and, more strongly, on regulatory-focus shift**

Peter-Samuel Arslan & Klaus Fiedler

Heidelberg University

11:30 **Menstrual cycle-dependent shifts in male attractiveness?**

Gernot Gerger

University of Vienna

Talk session

Language Processing I

HS 5

Chair: Tessa Lehnert

- 10:30 **Judging people and their language use: How attitudes towards languages and speakers' nationality influence speaker evaluations in multilingual contexts, using Luxembourg as an example.**

Tessa Lehnert, Sabine Krolak-Schwerdt & Thomas Hörstermann

University of Luxembourg

- 10:50 **Still letters in the forest: Global precedence effect for non-letters keeps robust even after phonological association training**

Andreas Schmitt & Thomas Lachmann

University of Kaiserslautern

- 11:10 **Full modeling of neural dynamics during naturalistic language processing: Predictive coding on multiple levels**

Jona Sassenhagen, Edvard Heikel, Benjamin Gagl & Christian J. Fiebach

Goethe University Frankfurt

- 11:30 **Emergentism, language control and the bilingual brain**

Arturo Hernandez

University of Houston

Talk session

Ergonomics II

HS 6

Chair: Uwe Drescher

- 10:30 **Temporal structure in reading times predicts switching between different reading tasks - An inquiry into the language game hypothesis (LGH) of reading**

Sebastian Wallot^a & Damian Kelty-Stephen^b

^a Max-Planck Institute for Empirical Aesthetics, ^b Grinnell College

- 10:50 **What's next? The impact of working memory capacity on interrupted sequential task performance**

Laura Zeidler & Dietrich Manzey

TU Berlin

- 11:10 **Do the data look as they should? Types of expectation differ in efficiency of truth value assessment in graphs**

Maike Kemper^a, Robert Gaschler^b & Torsten Schubert^a

^a Humboldt-Universität zu Berlin, ^b FernUniversität in Hagen

- 11:30 **Multitasking of young and older adults in ecologically valid scenarios**

Uwe Drescher^a, Claudia Voelcker-Rehage^b & Otmar Bock^a

^a German Sport University Cologne, ^b TU Chemnitz

Symposium

Psychology of Olfaction (Part II)

HS 7

Convenor: *Pamela Baess & Ryan P. Hackländer*

- 10:30 **What's that smell? – Training-based olfactory plasticity in young adults**
Kathrin Ohla^a, Dominik Koller^a, Marcia L. Pelchat^b, Beverly J. Cowart^b & Johan N. Lundström^c

^a German Institute of Human Nutrition, ^b Monell Chemical Senses Center, ^c Karolinska Institute

- 10:50 **A question of scent: Aroma modulates self-other representations**

Roberta Sellaro, Bernhard Hommel & Lorenza Colzato

Leiden University

- 11:10 **The influence of odor on attentional control: Insights from a trial-by-trial modulation**

Pamela Baess, Ryan P. Hackländer, Clara Hellweg & Christina Bermeitinger

University of Hildesheim

- 11:30 **Discussion**

Geraldine Coppin

Max-Planck-Institut für Stoffwechselforschung

Symposium

Extending Basic and Applied Experimental Cognitive Research with ACT-R

HS 9

Convenor: *Maria Wirzberger*

- 10:30 **CLT meets ACT-R: Modeling load-inducing factors in instructional design**

Maria Wirzberger & Günter Daniel Rey

TU Chemnitz

- 10:50 **An ACT-R Model of age-related cognitive decline in the Digit Span Task**

Nadia Said & Daniel V. Holt

Heidelberg University

- 11:10 **Doing all at once? Modeling driver workload in an abstract multitasking scenario**

Hannah Kosanke, Marika Nürnberg & Nele Rußwinkel

TU Berlin

- 11:30 **Using cognitive modeling to predict the usability of adaptive ambient systems**

Marc Halbrügge

TU Berlin

Talk session

Visual Attention II

HS 10

Chair: *Gregor Volberg*

- 10:30 **A lack of re-orienting? How do elderly people deal with irrelevant information in visual search?**
Christine Mertes, Edmund Wascher & Daniel Schneider
Leibniz Research Centre for Working Environment and Human Factors (IfADo)
- 10:50 **Shared attention and co-representation in a visual search task with two observers**
Tanja Müller, Thomas Töllner, Markus Conci & Joseph Krummenacher
LMU Munich
- 11:10 **The role of attention in processing of visual stimuli in metacontrast masking**
Mareen Berndt, Uwe Mattler & Thorsten Albrecht
Göttingen University
- 11:30 **Attention to graphemes in grapheme-color-synesthesia**
Gregor Volberg, Alexander Chockley, Johanna Höcketstaller & Mark W. Greenlee
University of Regensburg

Talk session

Traffic Psychology I

HS 12

Chair: *Achim Leder*

- 10:30 **Einsatz einer nach chronobiologischen Erkenntnissen modifizierten LED-Kabinenbeleuchtung: Komfortgewinn für Passagiere auf Langstreckenflügen**
Achim Leder, Sebastian Schnieder & Jarek Krajewski
University of Wuppertal
- 10:50 **Kollisionswarnungen im Head-Up Display: Einfluss der Darstellungsgröße auf das Fahrerverhalten**
Miriam Mohamad, Susann Winkler, Juella Kazazi & Mark Vollrath
TU Braunschweig
- 11:10 **Zum Einfluss unterschiedlicher Fußbekleidung auf die Bediensicherheit von Fahrzeugpedalen**
Friedrich Müller^a & Claus Backhaus^b
^a Leuphana Universität Lüneburg, ^b Berufsgenossenschaft für Transport und Verkehrswirtschaft, Hamburg
- 11:30 **Der Einfluss der Area-of-Interest-Gestaltung auf Blickzuwendungskennwerte: Ableitung eines Kriterienkatalogs zur Gestaltung von Area-of-Interest**
Klaus Reinprecht & Oliver Ondrejka
Inspectio Forschungsinstitut

Talk session

Action Control II

HS 13

Chair: *Daniela Czernocheowski*

10:30 Action selection by temporally distal goal-states

Moritz Durst, Rolf Ulrich & Markus Janczyk

University of Tübingen

10:50 The eyes' many stories about action-related load: Saccadic amplitude, latency, pupil response, and blink rate

Lynn Huestegge & Aleksandra Pieczykolan

Würzburg University

11:10 Two timing mechanisms in voluntarily delayed actions: Evidence from timescale specific variability of temporal control

Taoxi Yang^a, Yao Li^b, Ernst Pöppel^a & Yan Bao^c

^aInstitut für Medizinische Psychologie & Human Science Center, ^bDepartment of Psychology and Beijing Key Laboratory of Behaviour and Mental Health, ^cPeking University

11:30 ERPs suggest children detect response conflict during a flanker task, but are unable to up-regulate cognitive control on consecutive trials

Daniela Czernochoowski

University of Kaiserslautern

Symposium

Unethical Behavior: (Bridging) Experimental Approaches to Cheating and Lying

HS 14

Convenor: *Benjamin Hilbig*

10:30 Blind spots & arousal patterns in unethical behavior: An eye-tracking analysis

Susann Fiedler^a & Andreas Glöckner^b

^aMax Planck Institute for Research on Collective Goods, ^bFernUniversität in Hagen

10:50 A formal model of self-serving response biases

Morten Moshagen^a & Benjamin E. Hilbig^b

^aUniversity of Kassel, ^bUniversity of Landau

11:10 Less lying as a matter of dying: The effect of existential threat and norm salience on deceptive behavior

Simon Schindler & Marc-André Reinhard

University of Kassel

11:30 On the experimental control of social desirability: Validating the Crosswise Model

Adrian Hoffmann & Jochen Musch

University of Düsseldorf

Posters I, Monday, 14:00-15:00 (2nd Floor Hallway)

Action Control

- M-1 **Reaction times and their relation to positive and negative compatibility effects in response priming with motion primes**
Christina Bermeitinger & Thomas Heinen
University of Hildesheim
- M-2 **Exploring modality-specificity of response-effect compatibility**
Noémi Földes^a, Andrea M. Philipp^a, Arnaud Badets^b & Iring Koch^a
^a RWTH Aachen University, ^b University of Bordeaux
- M-3 **Influence of action control and stimulus-response repetition on sequential modulations in a vertical and horizontal Simon task**
Katharina Hoppe & Edmund Wascher
Leibniz Research Centre for Working Environment and Human Factors
- M-4 **Compatibility effects of motion direction and/or stimulus position with target direction in response priming**
David Eckert & Christina Bermeitinger
University of Hildesheim
- M-5 **Common principles guiding the perception of self-produced action effects**
Katharina Schwarz, Roland Pfister, Lisa Weller & Wilfried Kunde
University of Würzburg
- M-6 **Modality specific crosstalk in multitasking: Modality compatibility in “mixed” mappings**
Edina Fintor, Denise N. Stephan & Iring Koch
RWTH Aachen University
- M-7 **Pointing out mechanisms underlying joint action**
Emanuele Porcu, Luke Bölling, Markus Lappe & Roman Liepelt
University of Münster
- M-8 **Stopping correctly or going quickly? That is the question!**
Vera Steinheuser
Aachen University Hospital

Attention I

- M-9 **Temporary negative compatibility effects in RT and accuracy distributions in the Egly paradigm**
Sven Panis & Thomas Schmidt
University of Kaiserslautern

- M-10 **More than just positive or negative: How the interaction between evaluative and semantic relatedness shapes latencies in two sequential priming paradigms**
Manuel Becker & Karl Christoph Klauer
University of Freiburg
- M-11 **Auditory taboo words are more difficult to ignore**
Ulrike Körner, Jan Philipp Röer, Raoul Bell & Axel Buchner
Heinrich-Heine-University Düsseldorf
- M-12 **Reading dirty words impedes picture processing - Taboo interference effects with verbal and manual responses**
Andreas Mädebach, Anna-Maria Markuske & Jörg D. Jescheniak
Leipzig University
- M-13 **Does semantic congruency influence multisensory integration?**
Hannes Schröter
University of Tübingen
- M-14 **Search and destroy: Distractor cueing in visual search first leads to selection, then to inhibition of distractors**
Verena C. Seibold & Bettina Rolke
University of Tübingen

Perception I

- M-15 **Neural correlates of target and distractor processing in visual search for multiple targets**
Hannah Hiebel, Joe Miller, Margit Höfler, Christoph Anzengruber, Anja Ischebeck & Christof Körner
University of Graz
- M-16 **No implicit perception of voices in patients with hemineglect**
Helge Schlüter^a, Romi Zäske^b, Farsin Hamzei^c, Ellen Schenk zu Schweinsberg^c & Stefan R. Schweinberger^b
^a Universität Hildesheim, ^b Friedrich Schiller University Jena, ^c Moritz Klinik Bad Klosterlausnitz
- M-17 **Effects of brightness on pupil dilation and accommodation**
Anke Huckauf & Lisa Eberhardt
Ulm University
- M-18 **The influence of semantic information on early visual processing in natural scenes**
Britta Lewke, Thomas Wallis & Felix Wichmann
University of Tübingen
- M-19 **Eye-tracking's comparison research of planar and volumetric images perception among art orientations students**
Olga Lomtatidze^a, Anna Alekseeva^a & Irina Kolezneva^b
^a Ural Federal University, ^b Ural State Academy of Architecture and Arts

- M-20 **Visual-tactile calibration conforms tactile dominant adaption**
Mohammad-Ali Nikouei Mahani, Saber Sheybani & Majid Nili Ahmadabadi
University of Tehran
- M-21 **Influences on fixation-related brain activity during scene viewing: An update**
Olaf Dimigen
Humboldt Universität zu Berlin
- M-22 **Enhanced temporal sensitivity and prolonged duration judgments in situations of mutual gaze**
Sven Thönes & Heiko Hecht
JGU Mainz

Memory I

- M-23 **Unbiased truth: Symmetrical interference effects on memory for truth and falsity**
Lena Nadarevic
Universität Mannheim
- M-24 **The Influence of deception on memory and metamemory: A multinomial processing tree analysis**
Jennifer Panitz^a, Beatrice G. Kuhlmann^a & Miri Besken^b
^a University of Mannheim, ^b Bilkent University
- M-25 **Material effects in recognition memory: Fractals but not words elicit the list strength effect**
Johannes Prager & Martin Brandt
Universität Mannheim
- M-26 **Is schema-consistent source guessing compensatory?**
Marie Luisa Schaper^a, Beatrice G. Kuhlmann^b, Ute J. Bayen^a & Armin-Laszlo Halbach^a
^a Heinrich-Heine-Universität Düsseldorf, ^b University of Mannheim
- M-27 **A serious caveat on using implied base rates to manipulate response bias in recognition**
Simone Malejka & Arndt Bröder
University of Mannheim
- M-28 **Implicit memory for irrelevant speech**
Jan Philipp Röer, Raoul Bell, Ulrike Körner & Axel Buchner
Heinrich Heine University Düsseldorf
- M-29 **Does unitization reduce the associative memory deficit in old age?**
Ricarda Endemann, Siri- Maria Kamp, Regine Bader & Axel Mecklinger
Saarland University
- M-30 **Acoustic features triggering "irrelevant speech effects": The role of spectral and loudness changes.**
Katharina Rost, Josef Schlittenlacher & Wolfgang Ellermeier
TU Darmstadt

M-31 Immediate and delayed testing effects in action memory

Veit Kubik^a, Monika Knopf^b & Wolfgang Mack^c

^aStockholm University, ^bGoethe University, ^cUniversität der Bundeswehr München

M-32 False memories in FIFA referees, soccer players, and novices: An event completion experiment

Alisa Brockhoff, Frank Papenmeier, Annika Maurer & Markus Huff

University of Tübingen

M-33 Influence of cognitive load on memory in social interaction

Laura Mieth, Raoul Bell & Axel Buchner

Heinrich-Heine-University Düsseldorf

M-34 Kognitive Methoden prospektiver Zeitschätzung - Eine Frage der Gedächtnisaktivierung?

Ronja Froelich & Thorsten Rasch

Universität Koblenz-Landau, Campus Landau

Prospective Memory

M-35 A dynamic field theory approach to prospective memory and intention deactivation.

Heike Stein, Moritz Walser & Stefan Scherbaum

TU Dresden

M-36 Effects of acute stress on prospective memory monitoring and intention deactivation

Marcus Möschl^a, Moritz Walser^a, Franziska Plessow^b, Thomas Goschke^a & Rico Fischer^c

^aTU Dresden, ^bHarvard Medical School, ^cErnst Moritz Arndt University of Greifswald

M-37 Effects of age and cognitive control availability on deactivation of completed intentions

Moritz Walser^a, Marcus Möschl^a, Mareike Altgassen^b, Karina Burger^b & Rico Fischer^c

^aTU Dresden, ^bRadboud University, ^cErnst Moritz Arndt University of Greifswald

Judgment and Decision-Making I

M-38 Congruency effect explained by numerical distance on the ratio bias task

Aba Szollosi, Bence Palfi, Liliana Hajdu & Balazs Aczel

Eotvos Lorand University

M-39 The neurodynamics of sequential memory retrieval during decision making

Veronika Zilker^a, Thorsten Pachur^a, Dirk Ostwald^b & Patrick Khader^a

^aMax Planck Institute for Human Development, ^bFree University Berlin

M-40 The impact of time perception and stress monitoring on decision-making under time pressure

Kristina Krause, Franziska Bocklisch & Josef F. Krems

TU Chemnitz

M-41 Simulating biases in frequency judgments with an artificial neural network

Markus Burkhardt & Jakob Brinkmann

TU Chemnitz

M-42 The effect of mood on exploitation-exploration dilemma

Yury Shevchenko & Arndt Bröder

University of Mannheim

M-43 Showing “action” in moral judgments

Meike Kroneisen

Universität Koblenz-Landau

Language I

M-44 The role of ambiguity in the perception of aesthetic language: A proverb study

Sebastian Wallot^a, Katrin Heimann^b & Winfried Menninghaus^a

^a Max-Planck Institute for Empirical Aesthetics, ^b Interaction Minds Centre

M-45 Names of novel tools elicit mu-rhythm suppression over sensory-motor cortices

Laura Bechtold, Marta Ghio & Christian Bellebaum

Heinrich-Heine-Universität Düsseldorf

M-46 Modality-specific representation of action and sound verbs in the motor and auditory systems

Margot Popp, Natalie Trumpp, Eun-Jin Sim & Markus Kiefer

University of Ulm

M-47 Changed functional connectivity at rest in functional illiterates after extensive literacy training

Jascha Rüsseler^a, Bahram Mohammadi, Thomas Münte^b & Melanie Boltzmann^a

^a University of Bamberg, ^b University of Lübeck

M-48 When the first language is a regional dialect: An fMRI study of story comprehension in different language varieties

Julia Schmitt, Evelyn C. Ferstl & Peter Auer

University of Freiburg

M-49 Rime sensitivity in German preliterate, early literates and adults

Alexandra Schmitterer & Sascha Schroeder

Max Planck Institute for Human Development

Social Cognition I

- M-50 **In-group and out-group effects on visual perspective-taking**
Laura Anne Grigutsch & Dana Schneider
Friedrich Schiller University Jena
- M-51 **Towards an associative account of behavioral mimicry - The role of contingency and contiguity for social affiliation**
Paul Lotze-Hermes^a, David Dignath^b, Roland Pfister^a & Harry Farmer^c
^a University of Würzburg, ^b University of Freiburg, ^c University College London
- M-52 **And the two will become one: Ability to emotionally discriminate is reduced in romantic relationships**
Friedrich Meixner & Cornelia Herbert
University of Ulm
- M-53 **Social influence in freely interacting groups: Biased information acquisition after group discussions**
Andreas Mojzisch^a & Stefan Schulz-Hardt^b
^a University of Hildesheim, ^b Göttingen University
- M-54 **Assessing stereotypes using a Simon-type task**
Florian Müller & Klaus Rothermund
Friedrich Schiller University Jena
- M-55 **Automatic imitation of rules in choice decisions**
Alina Ruckriegel & Cristina Massen
Bonn-Rhein-Sieg University of Applied Sciences
- M-56 **Competition boosts cognition! - A tournament in mental arithmetic enhances motivation, processing efficiency, and psychometric quality**
Michael B. Steinborn & Lynn Huestegge
University of Würzburg
- M-57 **Limited working memory capacity promotes intergroup bias in third-party punishment**
Mathias Twardawski^a, Daniel Yudkin^b, Tobias Rothmund^a, Natasha Thalla^c, Jay van Bavel^b, Arndt Bröder^d & Benjamin E. Hilbig^a
^a University of Koblenz-Landau, ^b New York University, ^c Lehigh University, ^d University of Mannheim

Applied Psychology I

- M-58 **Cycling anger of regular cyclists and professional bicycle messengers in Germany: Further validation of the Cycling Anger Scale**
Birte Emmermann & Michael Oehl
Leuphana University Lüneburg

M-59 The influence of blue-light protection glasses on sleep quality in morning and evening types

Wladislaw Ertner^a, Katharina Seifert^a, Juliane Schmidt^a & Lars Michael^b

^a Medical School Hamburg, ^b Medical School Berlin

M-60 Values system for athletes and non-athletes students: Comparative study

Fatimah Owaid

University of Soran

M-61 Which parts of data graphs contribute much when estimating the average?

Michael Kriechbaumer^a, Claudia Godau^b & Robert Gaschler^c

^a Universität Koblenz-Landau, ^b HU Berlin, ^c FernUniversität in Hagen

M-62 Experimental evaluation of fact boxes for informed decision-making

Felix G. Rebitschek^a, Michelle McDowell^a, Odette Wegwarth^b & Gerd Gigerenzer^a

^a Max Planck Institute for Human Development, ^b Stiftung Gesundheitswissen

Problem Solving/ Reasoning

M-63 Altersabhängige Planungsstrategien für visuell-räumliche Probleme

Aljoscha Da Silva^a, Rebecca Albrecht^b, Marco Ragni^a & Lars Konieczny^a

^a University of Freiburg, ^b University of Basel

M-64 Decomposing performance on the Wisconsin Card Sorting Test: Effects of working memory load and age-related changes

Florian Lange^a, Birte Kröger^b, Alexander Steinke^b, Caroline Seer^a, Reinhard Dengler^a & Bruno Kopp^a

^a Hannover Medical School, ^b TU Braunschweig

M-65 The Tower of Hanoi exploration: Learning from error states

David Tobinski^a & Cleotilde Gonzalez^b

^a University of Duisburg-Essen, ^b Carnegie Mellon University

M-66 An explorative case study of representational change in problem solving

Benjamin Angerer^a, Cornell Schreiber^a & Stefan Schneider^b

^a University of Vienna, ^b University of Osnabrück

M-67 Two equal halves are less than a whole: Evidence from pointing to the position of repeated or different operand additions

Sarah Maass^a & Martin H. Fischer^b

^a University of Groningen, ^b University of Potsdam

M-68 Reading capabilities influence spatial belief revision

Jelica Nejasmic^a, Leandra Bucher^b & Marco Ennemoser^c

^a Gießen University, ^b University of Wuppertal, ^c Justus-Liebig-University

M-69 Text problems are (almost) individual: Delineating the linguistic, arithmetic and general cognitive components underlying their solution: An eye-tracking study

Gabriella Daroczy, Magdalena Wolska, Detmar Meurers & Hans-Christoph Nuerk

University of Tübingen

Talks & Symposia III, Monday, 15:00-16:20

Symposium

Principles and Applications in Pupillometry (Part I)

HS UGX60

Convenor: *Jan Ehlers*

- 15:00 **The pupil light reflex: the other direction of the pupillary response**
Yang Wang^a, Adriana Zekveld^a, Graham Naylor^b, Barbara Ohlenforst^a, Thomas Lunner^c, Thomas Koelewijn^a & Sophia Kramer^a
^a VU University Medical Center, ^b MRC/CSO Institute of Hearing Research, ^c Eriksholm Research Center
- 15:20 **Conditioning the human pupil using brightness as UCS**
Ferdinand Pittino, Katrin M. Kliegl & Anke Huckauf
Ulm University
- 15:40 **Pupil dilation in cognitive control tasks - Is it conflict, effort, or both?**
Henk van Steenbergen
Leiden Institute for Brain and Cognition
- 16:00 **The pupillary signatures of post-error slowing and error awareness**
Hedderik van Rijn, Sarah Maass & Simone Sprenger
University of Groningen

Talk session

Decision Making I

HS 1

Chair: *Bettina van Helversen*

- 15:00 **Framing information as social influences information search and choice in probabilistic inference tasks**
Bettina von Helversen, Marin Puskaric & Jörg Rieskamp
University of Basel
- 15:20 **The mind as an intuitive probabilistic pollster: A generalized model of the Social-Circle Heuristic**
Christin Schulze, Thorsten Pachur & Ralph Hertwig
Max Planck Institute for Human Development
- 15:40 **Recognition as a cue for inference: A lifespan overview**
Sebastian Horn^a, Azzurra Ruggeri^b, Thorsten Pachur^a & Rui Mata^c
^a Max Planck Institute for Human Development, ^b University of California at Berkeley, ^c University of Basel
- 16:00 **Testing between information integration and heuristic accounts of recognition-based decisions**
Daniel W. Heck & Edgar Erdfelder
University of Mannheim

Talk session

Working Memory

HS 4a

Chair: *Demian Scherer*

15:00 Effects of evaluative congruency in working memory

Demian Scherer & Dirk Wentura

Saarland University

15:20 A summed-similarity account of false recognition in short-term memory

Frederik Aust & Christoph Stahl

University of Cologne

15:40 Enhancing working memory through tyrosine administration: A tailored approach

Lorenza Colzato, Roberta Sellaro & Bernhard Hommel

Leiden University

16:00 Is working memory a palimpsest?

Peter Shepherdson

University of Zurich

Symposium

Cognitive, Affective, and Social Mechanisms Involved in the Aesthetic Appreciation of Visual Art and Design (Part I)

HS 4

Convenor: *Ronald Hübner & Michael Forster*

15:00 Combined effects of perceptual balance and pictorial homogeneity on visual aesthetic preference

Ronald Hübner & Martin G. Fillinger

University of Konstanz

15:20 Complexity of elements in pictorial compositions as predictor for aesthetic appreciation

Martin G. Fillinger & Ronald Hübner

University of Konstanz

15:40 Affective reactions to ambiguous artworks

Jürgen Goller, Martina Jakesch, Michael Forster & Helmut Leder

University of Vienna

16:00 Factors that modify the effects of beauty

Aleksandra Mitrovic^a, Jürgen Goller^a, Pablo Tinio^b & Helmut Leder^a

^a University of Vienna, ^b Queens College

Talk session

Language Processing II

HS 5

Chair: Milena Rabovsky

- 15:00 **The non-arbitrary relation between vowels and emotion**
Ralf Rummer & Judith Schweppe
University of Erfurt
- 15:20 **The bimodal advantage in language switching**
Simone Schaeffner, Iring Koch & Andrea M. Philipp
RWTH Aachen University
- 15:40 **The craftman knits a sweater – Activating gender stereotypes during the processing of verbs**
Adriana Hanulikova & Maria Silveira
University of Freiburg
- 16:00 **The N400 component of the event-related brain potential reflects implicit semantic prediction error: Evidence from a connectionist model of sentence comprehension**
Milena Rabovsky, Steven Hansen & James McClelland
Stanford University

Symposium

Dynamic Decision Making (Part I)

HS 6

Convenors: Andreas Fischer, Daniel V. Holt & Joachim Funke

- 15:00 **Dynamic decision making: A field of growing importance**
Joachim Funke, Daniel V. Holt & Andreas Fischer
Heidelberg University
- 15:20 **The multiple faces of complex problems: A model of complex problem solving competency and its assessment**
Jonas Neubert^a & Andreas Fischer^b
^a Brandenburg University of Technology Cottbus-Senftenberg, ^b Heidelberg University
- 15:40 **Solving complex problems intuitively - A contradiction in terms?**
Wolfgang Schoppek
Bayreuth University
- 16:00 **Cognitive ability and system structure as predictors of performance in dynamic system control tasks**
Jan Hundertmark, Helen Fischer, Andreas Fischer, Nadia Said & Daniel V. Holt
Heidelberg University

Symposium

Unconscious Cognition Unlimited? Methodological Considerations and Experimental Data

HS 7

Convenors: *Guido Hesselmann & Marcus Rothkirch*

- 15:00 **Unconscious lie detection as an example of a widespread fallacy in the Neurosciences**
Volker Franz & Ulrike von Luxburg
University of Tübingen
- 15:20 **Scene integration without awareness: Are object-background relationships extracted for perceptually suppressed scenes?**
Pieter Moors, David Boelens & Johan Wagemans
KU Leuven
- 15:40 **Inferring pre-conscious perception from visual detection**
Timo Stein & Marius V. Peelen
Center for Mind/Brain Sciences, University of Trento
- 16:00 **Does consciousness research need psychophysics?**
Thomas Schmidt
University of Kaiserslautern

Symposium

Contemporary Methods for Experimental Psychology

HS 9

Convenor: *Henrik Singmann*

- 15:00 **Replication Bayes factors: Bayes factors to assess whether a study replicates**
Alexander Ly^a, Maarten Marsman^a, Quentin Frederik Gronau^a, Sacha Epskamp^a, Dora Matzke^a, Alexander Etz^b, Ravi Selker^a & Tahira Jamil^a
^a University of Amsterdam, ^b The University of Texas
- 15:20 **Bayesian mixture modeling of significant p values: A meta-analytic method to estimate the degree of contamination from H0**
Quentin Frederik Gronau^a, Monique Duizer^a, Marjan Bakker^b & Eric-Jan Wagenmakers^a
^a University of Amsterdam, ^b Tilburg University
- 15:40 **Model fit evaluation with the RMSEA facilitates the use of diffusion models in individual differences research**
Anna-Lena Schubert, Dirk Hagemann, Katharina Bergmann & Andreas Voß
Heidelberg University
- 16:00 **rtdists: Distribution functions for accumulator models in R**
Henrik Singmann^a, Matthew Gretton^b, Scott Brown^c & Andrew Heathcote^b
^a University of Zurich, ^b University of Tasmania, ^c University of Newcastle

Symposium

The Effects of Red on Social Perception and Interpersonal Behavior (Part I)

HS 10

Convenor: *Sascha Schwarz & Daniela Niesta-Kayser*

15:00 The red romance effect and sexual orientation

Fabian Kirsch, Daniela Niesta Kayser & Barbara Krahé

University of Potsdam

15:20 The influence of the color red on the perceived attractiveness of individuals depending on their ethnicity

Anne Berthold^a & Gerhard Reese^b

^a University of Zurich, ^b Friedrich Schiller University Jena

15:40 The romantic red effect and the misattribution of arousal

Heike Andrea Schünemann, Manfred Hassebrauck & Sascha Schwarz

University of Wuppertal

16:00 Strategic sexual signals: Women's display and avoidance of the color red depends on the attractiveness of an anticipated interaction partner

Maria Agthe^a, Daniela Niesta Kayser^b, Sascha Schwarz^c & Dieter Frey^a

^a LMU Munich, ^b University of Potsdam, ^c University of Wuppertal

Symposium

Reliance on Automation

HS 12

Convenor: *Anja Katharina Huemer*

15:00 Trust moderates Gaze Behavior – An experimental Study in the Field of Vehicle Automation

Claudia Witzlack, Robert Alig & Josef F. Krems

TU Chemnitz

15:20 How to interact with a Cybercar? Attitudes and expectations on the interaction and communication with fully automated vehicles

Marc Dziennus, Anna Schieben & Annika Ilgen

German Aerospace Center (DLR)

15:40 Is the driver's traditional outside view still necessary to ensure situation awareness in high speed/ automated train operation?

Niels Brandenburger

German Aerospace Center (DLR)

16:00 Dynamics of user experience and trust in websites

Nils Backhaus

TU Berlin

Talk session

Attentional Binding & Action Control

HS 13

Chair: *Christian Frings*

- 15:00 **Shifting internal context modulates episodic retrieval: Implications for action control**
Christian Frings^a, Iring Koch^b & Birte Moeller^a
^a Trier University, ^b RWTH Aachen University
- 15:20 **The influence of color similarity on distractor-response binding and response retrieval**
Ruth Freitag, Frank Mast, Christian Frings & Birte Moeller
Trier University
- 15:40 **Flexible goal imitation: Vicarious feedback moderates stimulus-response binding by observation**
Carina Giesen & Klaus Rothermund
^a Friedrich Schiller University Jena
- 16:00 **What's the difference between Instances and Event-Files? Dissociation of binding and learning processes**
Birte Moeller & Christian Frings
Trier University

Talk session

Social Norms

HS 14

Chair: *Alexa Weiss*

- 15:00 **Affective priming in judgments of social norm violations**
Torge Dellert & Jonas Nagel
Göttingen University
- 15:20 **Strategic choices of moral comparisons give people the possibility to be less moral**
Alexandra Fleischmann & Joris Lammers
University of Cologne
- 15:40 **The ad-hoc construction of moral relevance judgments**
Jonas Nagel & Andrej Rybak
Göttingen University
- 16:00 **Two-faced morality: Distrust increases flexibility of moral judgments**
Alexa Weiss, Pascal Burgmer & Thomas Mussweiler
University of Cologne

Talks & Symposia IV, Monday, 16:40 – 18:00

Symposium

Principles and Applications in Pupillometry (Part II)

HS UGX60

Convenor: Jan Ehlers

- 16:40 **Pupil dilation and EEG alpha frequency band power reveal increased cognitive load for link-selection processes during hypertext-like reading**
Christian Scharinger, Yvonne Kammerer & Peter Gerjets
Leibniz-Institut fuer Wissensmedien Tübingen
- 17:00 **Interaction of brightness and responsiveness in the human pupil**
Christoph Strauch, Jan Ehlers & Anke Huckauf
Ulm University
- 17:20 **Application of pupillometry in medical contexts**
Wolfgang Einhäuser
TU Chemnitz
- 17:40 **Potentials and limitations of voluntary pupil control: Real-time feedback in pupil-based biofeedback applications**
Jan Ehlers, Christoph Strauch & Anke Huckauf
Ulm University

Talk session

Social Decision Making

HS 1

Chair: Wolfgang Gaissmaier

- 16:40 **The amplification of risk in experimental diffusion chains**
Wolfgang Gaissmaier^a, Mehdi Moussaïd^b & Henry Brighton^b
^a University of Konstanz, ^b Max Planck Institute for Human Development
- 17:00 **Modelling the influence of stereotypes in decision making**
Tillmann Nett^a, Nadine Nett^a, Angela Dorrough^b & Andreas Glöckner^a
^a FernUniversität in Hagen, ^b Universität Siegen
- 17:20 **Judge-advisor differences in intertemporal financial decisions**
Sabine G. Scholl^a & Paul van Lange^b
^a University of Mannheim, ^b University of Amsterdam
- 17:40 **Why technicians should be tidy and nurses should be honest: Agency and communion halo effects as a function of social contexts**
Michael Gräf^a & Christian Unkelbach^b
^a University of Mannheim, ^b University of Cologne

Talk session

Attention

- HS 4a Chair: *Stephan Getzmann*
- 16:40 **Central or peripheral attention as source of the attentional blink effect?**
Michel D. Druet
University of Zurich
- 17:00 **Using event-related potentials for the investigation of attention shifts prior to and during saccades**
Christoph Huber-Huber, María Marchante, Thomas Ditye & Ulrich Ansorge
University of Vienna
- 17:20 **Zum Einfluss irrelevanter Schallquellen auf verdeckte Aufmerksamkeitsprozesse**
Svea Missfeldt & Rainer Höger
Leuphana Universität Lüneburg
- 17:40 **Knowing when and where to listen at the „cocktail party”: The role of focused and divided spatial attention for speech perception of younger and older adults**
Stephan Getzmann^a, Edward Golob^b & Edmund Wascher^a
^a Leibniz Research Centre for Working Environment and Human Factors, ^b Tulane University

Symposium

Cognitive, Affective, and Social Mechanisms Involved in the Aesthetic Appreciation of Visual Art and Design (Part II)

- HS 4 Convenor: *Ronald Hübner & Michael Forster*
- 16:40 **Mentalizing processes in aesthetic appreciation of conceptual art**
Susan Beudt & Thomas Jacobsen
Helmut Schmidt University/University of the Federal Armed Forces Hamburg
- 17:00 **Accounting for others' taste: Effects of desired and undesired social groups' ratings on the appreciation of art**
Matthew Pelowski^a, Jon Luring^b, Michael Forster^a, Maurice Ptito^b & Ron Kupers^b
^a University of Vienna, ^b University of Copenhagen
- 17:20 **Pupillary response to conceptual fluency in aesthetic appreciation**
Sophie G. Elschner, Ronald Hübner & Michael Dambacher
University of Konstanz
- 17:40 **Private and shared taste in aesthetic appreciation of abstract art and faces**
Michael Forster, Jürgen Goller, Tanya Rigotti & Helmut Leder
University of Vienna

Symposium

Inter-Individual and Age Differences in Controlling Choices and Adapting to Environmental Changes

HS 5

Convenor: *Dorothea Hämmerer*

16:40 Error and feedback processing in social anxiety

Jutta Peterburs

University of Münster

17:00 Serotonergic effects on action monitoring in a pharmacogenetic EEG study

Adrian Fischer, Tanja Endrass, Martin Reuter, Christian Kubisch & Markus Ullsperger

Otto-von-Guericke University

17:20 The effect of atomoxetine on random and directed exploration in humans

Christopher Warren^a, Robert Wilson^b & Sander Nieuwenhuis^a

^aLeiden University, ^bUniversity of Arizona

17:40 Adult age differences in inferring task states in decision making during uncertainty

Dorothea Hämmerer^a, Tom Fitzgerald^a, Philipp Schwartenbeck^b, Ray Dolan^a, Shu-Chen Li^c & Emrah Düzel^a

^aUniversity College London, ^bUniversity of Salzburg, ^cTU Dresden

Symposium

Dynamic Decision Making (Part II)

HS 6

Convenors: *Andreas Fischer, Daniel V. Holt & Joachim Funke*

16:40 Effects of a problem solving training on performance in dynamic system control tasks with different degrees of complexity

Daniel V. Holt^a, Marie-Ève St-Louis^b, Tobias Krieger^a & Jan Wagner^a

^aHeidelberg University, ^bLaval University

17:00 Transfer between different minimally-complex DDM tasks

Andreas Fischer^a & Wolfgang Schoppek^b

^aHeidelberg University, ^bUniversity of Bayreuth

17:20 Discussion

Joachim Funke

Heidelberg University

Talk session

Perception

HS 7

Chair: *Max Friedrich*

16:40 **Semantic consistency effects in real-world and synthesized scenes using object thumbnails**

Tim Lauer & Melissa Le-Hoa Vö

Goethe University Frankfurt

17:00 **The influence of scene preview on the central fixation bias in a free viewing experiment**

Lars O. M. Rothkegel, Hans A. Trukenbrod & Ralf Engbert

University of Potsdam

17:20 **Testing models of peripheral encoding using metamerism in an oddity paradigm**

Thomas Wallis, Matthias Bethge & Felix Wichmann

University of Tübingen

17:40 **Similarities in the perception of color and velocity: An empirical investigation of the cognitive representation of velocity**

Max Friedrich & David Käthner

Deutsches Zentrum für Luft- und Raumfahrt (DLR)

Symposium

Real Life is a Lab, Too! Combining Intensive Longitudinal Designs and Experimental Designs

HS 9

Convenor: *Andreas Neubauer*

16:40 **Caught in the net: Investigating self-control and mindfulness in daily life using a novel network approach**

Zarah Rowland, Mario Wenzel & Thomas Kubiak

JGU Mainz

17:00 **Opportunities and challenges of experimental designs using ecological momentary assessment**

Markus Moessner, Johanna Köhling, Johannes C. Ehrenthal, Henning Schauenburg, Leonie Hosenfeld, Ulrike Dinger & Stephanie Bauer

Heidelberg University Hospital

17:20 **Experimental manipulation “in the wild”: Proposing a within-person encouragement design**

Florian Schmiedek

German Institute for International Educational Research (DIPF)

17:40 **Using parameters obtained in intensive longitudinal designs to predict experimental effects: Exploring reliability and power**

Andreas Neubauer, Andreas Voß & Veronika Lerche

Heidelberg University

Symposium

The Effects of Red on Social Perception and Interpersonal Behavior (Part II)

HS 10

Convenor: *Sascha Schwarz & Daniela Niesta-Kayser*

16:40 "I feel pretty!" The effects of red on self-perceived attractiveness

Sascha Schwarz^a & Daniela Niesta Kayser^b

^a University of Wuppertal, ^b University of Potsdam

17:00 The effects of red on cooperative behavior

Olga Kombeiz & Anna Steidle

University of Hohenheim

17:20 Discussion

Markus Maier

LMU Munich

Symposium

Vulnerable Road Users

HS 12

Convenor: *Anja Katharina Huemer*

16:40 Drivers' gap acceptance in front of different types of two wheelers

Katja Schleinitz^a, Tibor Petzoldt^a & Tina Gehlert^b

^a TU Chemnitz, ^b Unfallforschung der Versicherer

17:00 Pedestrians' observation time of approaching vehicles and its consequence for gap size estimation

Tibor Petzoldt & Johannes Titz

TU Chemnitz

17:20 Subjective risk perception in urban cycling: Assessing the validity of opinion-based volunteered geographic information

Rul von Stülpnagel^a, Laura Wächter^a, Nicolas Holland^a & Jakub Krukar^b

^a University of Freiburg, ^b University of Münster

17:40 Motivation for traffic-rule infringements in Germany

*Anja Katharina Huemer, Heike Buttersack, Rebekka Führer
& Susanne Laubersheimer*

TU Braunschweig

Talk session

Action Control & Emotion

HS 13

Chair: *Andreas Eder*

- 16:40 **Emotional backward compatibility effects in dual-task performance**
Andreas Eder^a, Roland Pfister^a, David Dignath^b & Bernhard Hommel^c
^a Universität Würzburg, ^b University of Freiburg, ^c Leiden University
- 17:00 **Saccade and perceptual performance in simultaneous and sequential dual-task paradigms**
Tobias Moehler & Katja Fiehler
Gießen University
- 17:20 **How experience with the AX-Continuous performance task modulates the influence of positive affect and performance-contingent reward on proactive control**
Carmen Hefer & Gesine Dreisbach
University of Regensburg
- 17:40 **Stress effects on the temporal dynamics of cognitive control**
Thomas Maran, Pierre Sachse, Nicola Hutzenhaller, Nora Peglow, Christoph Herz & Marco Furtner
University of Innsbruck

Talk session

Social Cognition

HS 14

Chair: *Dirkje Pril*

- 16:40 **The role of the evaluative information ecology for social comparison processes**
Hans Alves, Alex Koch & Christian Unkelbach
Universität zu Köln
- 17:00 **Reading 'me' and reading 'death': Distinguishing effects of self-relatedness from valence effects**
Sarah Schäfer^a, Dirk Wentura^b & Christian Frings^a
^a Trier University, ^b Saarland University
- 17:20 **Perceiving attractiveness and distinctiveness in unfamiliar voices and faces**
Romi Zäske, Verena Skuk & Stefan R. Schweinberger
Friedrich Schiller University Jena
- 17:40 **Differential effects of power on social distance**
Dirkje Pril & Joris Lammers
Universität zu Köln

Talks & Symposia V, Tuesday, 8:40-10:00

Talk session

Action Control & Motivation

- | | | |
|------|---|----------------------------|
| | HS UGX60 | Chair: <i>Peter Kirsch</i> |
| 8:40 | Cognitive processes in goal engagement and goal disengagement
<i>Clara Hellweg, Peter Wolter & Christina Bermeitinger</i>
Universität Hildesheim | |
| 9:00 | Virtual reality in the assessment of a manual bias towards food
<i>Philipp Schroeder, Johannes Lohmann, Martin V. Butz & Christian Plewnia</i>
University of Tübingen | |
| 9:20 | How sequential changes in reward magnitude modulate cognitive flexibility: More direct evidence for increased flexibility under increased reward prospect
<i>Kerstin Fröber^a, Roland Pfister^b & Gesine Dreisbach^a</i>
^a Universität Regensburg, ^b Universität Würzburg | |
| 9:40 | Oxytonergic modulation of psychomotor functions under alcohol intoxication
<i>Peter Kirsch^a, Stephanie Schmidt^a, Carina Sauer^a, Manuel Vietze^a, Ulrich Ettinger^b, Rainer Spanagel^a, Daniela Mier^a & Inga D. Neumann^c</i>
^a Central Institute of Mental Health, Mannheim, ^b University of Bonn, ^c University of Regensburg | |

Symposium

Adaptive Neural Processing During Sensory Working Memory

- | | | |
|------|--|--|
| | HS 1 | Convenor: <i>Thomas B. Christophel</i> |
| 8:40 | Object-based shifting of attention in working memory
<i>Benjamin Peters^a, Benjamin Rahm^b, Jochen Kaiser^a & Christoph Bledowski^a</i>
^a Goethe University Frankfurt, ^b University Medical Center JGU Mainz | |
| 9:00 | The role of cortical space and inhibition in low-level visual cortex for limiting visual working memory
<i>Johanna Bergmann^a, Erhan Genç^b, Ulrich Pilatus^c, Axel Kohler^d, Wolf Singer^e & Joel Pearson^a</i>
^a University of New South Wales, ^b Ruhr-University Bochum, ^c Goethe University Frankfurt, ^d University of Osnabrueck, ^e Max Planck Institute for Brain Research | |
| 9:20 | Impaired working memory encoding and false memory errors in schizophrenia: Behavioral evidence and electrophysiological correlates
<i>Jutta Mayer, Sebastian Korinth, Benjamin Peters & Christian J. Fiebach</i>
Goethe University Frankfurt | |
| 9:40 | Somatosensory delay period activity and its link with selective attention
<i>Tobias Katus^a & Martin Eimer^b</i>
^a Universität Leipzig, ^b Birkbeck, University of London | |

Talk session

Inhibition

HS 4a

Chair: *Alodie Rey-Mermet*

8:40 Stop thinking about inhibition!

Alodie Rey-Mermet^a, Miriam Gade^b & Klaus Oberauer^a

^a University of Zurich, ^b Catholic University of Eichstaett-Ingolstadt

9:00 Investigating task inhibition with the diffusion model

Stefanie Schuch

RWTH Aachen University

9:20 Please don't care about the sound: Inhibition of reactions to sounds measured by an auditory Go/NoGo paradigm

Elisa Wegmann, Johannes Schiebener, Jan Snagowski & Matthias Brand

University of Duisburg-Essen

9:40 "Alle meine Entchen" variations – The irrelevant sound effect with musical stimuli

Judith Schweppe, Li Gong & Jens Knigge

University of Erfurt

Talk session

Clinical Psychology I

HS 4

Chair: *Sophie Hauschild*

8:40 Emotion recognition and confidence in Borderline Personality Disorder

Sophie Hauschild, Janine Thome, Lisa Liebke, Melanie Bungert, Martin Bohus & Stefanie Lis

Central Institute of Mental Health

9:00 Effects of social inclusion and exclusion on expectations of acceptance and on behaviour in Borderline Personality Disorder: A virtual reality approach

Lisa Liebke, Melanie Bungert, Georgia Koppe, Janine Thome, Sophie Hauschild, Martin Bohus & Stefanie Lis

Central Institute of Mental Health

9:20 Heart-beat evoked potentials (HEPs) in patients with Borderline Personality Disorder and Post-traumatic-Stress Disorder

Laura Elisa Müller^a, André Schulz^b, Martin Andermann^a, Sabine C. Herpertz^a & Katja Bertsch^c

^a Heidelberg University, ^b University of Luxembourg, ^c Department of General Psychiatry, Center for Psychosocial Medicine, Heidelberg University

9:40 Reducing vulnerability to depression: Multispecies probiotics reduce cognitive reactivity to sad mood

Laura Steenbergen, Roberta Sellaro, Saskia van Hemert, Jos Bosch & Lorenza Colzato

Leiden University

Talk session

Action Control in Social Cognition

HS 5

Chair: *Oliver Genschow*

8:40 **Social priming and the classical Stroop task: A process dissociation approach**

Nadine Schimpf, Kerstin Dittrich & Karl Christoph Klauer

University of Freiburg

9:00 **Extending the Social Simon paradigm to a four person setting**

Lydia Puffe, Kerstin Dittrich & Karl Christoph Klauer

University of Freiburg

9:20 **Incompatible partner reactions improve performance in the weaker task of a picture-word interference paradigm – But only if they can be ignored**

Romy Müller & Maarten Lars Jung

TU Dresden

9:40 **The predictive chameleon: Evidence for anticipated social action**

Oliver Genschow, Marcel Brass & Lara Bardi

Ghent University

Talk session

Personality

HS 6

Chair: *Isabel Thielmann*

8:40 **Does social mindfulness require deliberate thinking? An experimental investigation**

Isabel Thielmann^a, Dorothee Mischkowski^b & Andreas Glöckner^c

^a University of Koblenz-Landau, ^b Göttingen University, ^c FernUniversität in Hagen

9:00 **Narcissists and their attraction to autocratic leadership**

Christiane Schoel

University of Mannheim

9:20 **Dishonesty for profit or a good deed? A comparison of pro-self, cooperative and altruistic cheating behavior**

Sina A. Klein^a, Isabel Thielmann^a, Benjamin E. Hilbig^a & Ingo Zettler^b

^a University of Koblenz-Landau, ^b University of Copenhagen

9:40 **Efficient versus flexible mentalizing in complex social settings: Exploring signature limits**

Dana Schneider^a & Jason Low^b

^a Friedrich Schiller University Jena, ^b Victoria University of Wellington

Symposium

Inter-Individual Differences in Non-Conscious Perception and Access to Awareness (Part I)

HS 7

Convenors: *Aiste Jusyte & Timo Stein*

- 8:40 **Neural bases of bistable perception in the human brain**
Natalia Zaretskaya, Pablo Grassi, Alexandra Sipatchin & Andreas Bartels
Werner Reichardt Centre for Integrative Neuroscience
- 9:00 **Parietal cortex structure and function modulate conscious content**
Georg Schauer^a, David Carmel^b, David Wood^b, Jan Brascamp^c & Ryota Kanai^d
^a University of Tübingen, ^b University of Edinburgh, ^c Michigan State University, ^d University of Sussex
- 9:20 **Perceptual expertise enhances configural processing in access to awareness**
Timo Stein^a, Reshanne Reeder^b & Marius V. Peelen^a
^a University of Trento, ^b University of Magdeburg
- 9:40 **Individual differences in suppression durations shed light on the role of perceptual uncertainty in resolving interocular competition**
Surya Gayet, Stefan Van der Stigchel & Chris Paffen
Utrecht University

Symposium

Cognitive Modeling in Memory and Decision Making (Part I)

HS 9

Convenors: *David Kellen, Henrik Singmann & Thorsten Pachur*

- 8:40 **A Bayesian hierarchical mixture approach to strategy classification in multiple-cue judgment**
Thorsten Pachur & Dries Trippas
Max Planck Institute for Human Development
- 9:00 **Process models of cue- and exemplar based decision making: A drift diffusion approach**
Dries Trippas & Thorsten Pachur
Max Planck Institute for Human Development
- 9:20 **Modeling framing effects in risky choice tasks**
Adele Diederich
Jacobs University Bremen
- 9:40 **Independence of irrelevant alternatives in decisions from experience: A challenge for reinforcement learning models**
Mikhail S. Spektor, Sebastian Gluth, Laura Fontanesi & Jörg Rieskamp
University of Basel

Symposium

Automatic Processing of Facial Information in Context

HS 10

Convenor: *Michaela Rohr*

- 8:40 **Variation of ingroup preference in the affect misattribution paradigm**
Iniobong Essien & Juliane Degner
Hamburg University
- 9:00 **The Affect Misattribution Procedure: In search of spontaneous face evaluations**
Sarah Teige-Mocigemba^a, Manuel Becker^a, Jeffrey W. Sherman^b, Regina Reichardt^c & Karl Christoph Klauer^a
^a University of Freiburg, ^b University of California, ^c University of Regensburg
- 9:20 **It depends: Approach and avoidance reactions to emotional expressions are influenced by the contrast emotions presented in the task**
Andrea Paulus & Dirk Wentura
Saarland University
- 9:40 **The involvement of facial muscle responses in the masked emotion misattribution procedure**
Michaela Rohr, Timea Folyi & Dirk Wentura
Saarland University

Symposium

Kognition und Emotion in der Mensch-Technik-Interaktion (Part I)

HS 12

Convenors: *Nils Backhaus, Stefan Brandenburg, Anna Katharina Trapp & Manfred Thüring*

- 8:40 **Situationsbewusstsein und Leistung beim Segeln mit digitaler Medienunterstützung: Experimente und Blickfeldanalysen auf See**
Gisela Müller-Plath & Julian Ohm
TU Berlin
- 9:00 **Nutzerzentrierte Gestaltung und Evaluation eines Wearable zur Stressreduktion**
Josephine Klamet^a, Michael Minge^b & Jens Wunderling^a
^a Hochschule Magdeburg-Stendal, ^b TU Berlin
- 9:20 **Do they fear less? - Potentiale und Grenzen psychologischer Begleitforschung in technisch orientierten Verbundprojekten am Beispiel des AAL-Projekts FEARLESS**
Stefan Ortlieb & Claus-Christian Carbon
Universität Bamberg
- 9:40 **Fahrereigenschaften, Anthropomorphismus und Vertrauen: Ein integrierendes Rahmenmodell effektiver Kooperation mit hochautomatisierter Fahrassistenz**
Johannes Kraus, Philip Seldschopf & Martin Baumann
Ulm University

Symposium

The Regulation of Cognitive Control in Multitasking (Part I)

- HS 13 Convenors: *Markus Janczyk & Rico Fischer*
- 8:40 **The regulation of cognitive control in multiple task performance – An introduction**
Rico Fischer
University of Greifswald
- 9:00 **The temporal organization of behavior: Mechanisms of response order control**
Aleksandra Pieczykolan & Lynn Huestegge
Universität Würzburg
- 9:20 **Bottom-up regulation of multitasking control**
Markus Janczyk
University of Tübingen
- 9:40 **Effects of stimulus preview on task-switching – An approach to investigate preferences of cognitive control under multiple task demands**
Jovita Brüning, Jessica Reissland & Dietrich Manzey
TU Berlin

Symposium

Recent Advances in Evaluative Conditioning Research (Part I)

- HS 14 Convenor: *Mandy Hütter*
- 8:40 **How the Twig is bend: Young children form attitudes by evaluative conditioning**
Georg Halbeisen, Eva Walther & Michael Schneider
Trier University
- 9:00 **Attitude formation towards groups by evaluative conditioning of their members**
Christian Unkelbach & Sabine Förderer
University of Cologne
- 9:20 **On the role of pseudocontingencies in evaluative conditioning: How skewed base-rates influence evaluative learning**
Mandy Hütter^a, Florian Kutzner^b & Klaus Fiedler^b
^a University of Tübingen, ^b Heidelberg University
- 9:40 **Outside the lab: Is evaluative conditioning a viable account for understanding advertising effects in new media?**
Tobias Vogel
University of Mannheim

Talks & Symposia VI, Tuesday, 10:30-11:50

Symposium

Spatial Reference Frames for Action

HS UGX60

Convenor: *Katja Fiehler*

10:30 **Modulating the weighting of reference frames in bimanual coordination through mirror feedback of finger movements**

Janina Brandes, Farhad Rezvani & Tobias Heed

University of Hamburg

10:50 **The role of contextual factors on the use of allocentric reference frames for reaching**

Mathias Klinghammer^a, Gunnar Blohm^b & Katja Fiehler^a

^aGießen University, ^bQueen's University Kingston

11:10 **Investigating reference frames for goal-directed reaching using virtual reality**

Immo Schütz^a, Mathias Klinghammer^b & Katja Fiehler^b

^aTU Chemnitz, ^bGießen University

11:30 **Reinterpreting allocentric effects using egocentric spatial reference frames**

Flavia Filimon

Max Planck Institute for Human Development Berlin

Talk session

Decision Making II

HS 1

Chair: *Silke Müller*

10:30 **A diffusion model analysis of monetary gambles**

Peter Haffke, Michael Dambacher & Ronald Hübner

University of Konstanz

10:50 **Skin conductance responses in anticipation of gains and losses**

Patrick Ring^a & Ulrich Schmidt^b

^aUniversity of Kiel, ^bKiel Institute for the World Economy

11:10 **Rational approach to cross-attribute inferences from uncertain categorization**

Elizaveta Konovalova & Gael Le Mens

Universitat Pompeu Fabra

11:30 **Weighing up short- and long-term risks: The interaction of feedback and predispositions for impulsive versus reflective processing in decision making under risk**

Silke Müller, Johannes Schiebener, Gerrit Stöckigt & Matthias Brand

University of Duisburg-Essen

Talk session

Memory I

HS 4a

Chair: *Bernhard Pastötter*

- 10:30 Retrieval practice fails to insulate episodic memories against interference after stroke**

Bernhard Pastötter & Karl-Heinz T. Bäuml

University of Regensburg

- 10:50 Storage and retrieval processes in item-method directed forgetting: A model-based approach**

Ivan Marevic & Jan Rummel

Heidelberg University

- 11:10 Collaborative memory revisited: Does collaboration at test always decrease recall?**

Magdalena Abel & Karl-Heinz T. Bäuml

University of Regensburg

- 11:30 Neural correlates of attention allocation during episodic long-term memory encoding and retrieval**

Tamas Minarik, Barbara Berger & Paul Sauseng

LMU Munich

Talk session

Emotion

HS 4

Chair: *Anke Haberkamp*

- 10:30 The influence of disgust-related natural images on visual processing in subclinical obsessive-compulsive disorder**

Anke Haberkamp^a, Julia Glombiewski^a, Jana Hansmeier^a & Philipp Schmidt^b

^a Philipps-University Marburg, ^b Gießen University

- 10:50 We call it “DIRTI” (Disgust-RelaTed Images) – Development and validation of a picture set for disgust**

Antonia Barke, Julia Glombiewski & Anke Haberkamp

Philipps-University Marburg

- 11:10 The nucleus accumbens and emotion recognition**

Daniela Mier, Stephanie Schmidt & Peter Kirsch

Central Institute of Mental Health, Mannheim

11:30 Neuoral correlates of maternal sensitivity and emotion regulation in mothers with a history of childhood abuse

Corinne Neukel^a, Katja Bertsch^a, Anna-Lena Zietlow^a, Anna Fuchs^a, Corinna Reck^b, Eva Moehler^c, Felix Bermpohl^d & Sabine C. Herpertz^a

^a Heidelberg University Hospital, ^b LMU Munich, ^c Klinik für Kinder- und Jugendpsychiatrie, Psychotherapie und Psychosomatik der SHG Idar-Oberstein, ^d Charite Berlin

Talk session

Social Perception

HS 5

Chair: *Felicitas Sedlmair*

10:30 Intranasal oxytocin modulates eye gaze towards stimuli related to attachment and pair bonding

Monika Eckstein, Corina Aguilar-Raab & Beate Ditzen

Heidelberg University Hospital

10:50 The power of attention: Using eye gaze to bias social preferences

Minou Ghaffari & Susann Fiedler

Max Planck Institute for Research on Collective Goods

11:10 The perks of being friends with oneself: Self-compassion reduces self-other differences when evaluating showing vulnerability

Anna Bruk & Sabine G. Scholl

University of Mannheim

11:30 The concept of lying: Philosophical definitions and lay people's concept

Felicitas Sedlmair, Anne Wittemöller & Alex Wiegmann

Göttingen University

Talk session

Learning

HS 6

Chair: *Anna Thorwart*

10:30 Memory retrieval benefits motor sequence learning

Tobias Tempel & Christian Frings

Trier University

10:50 Assumptions of the process-dissociation procedure are violated in applications to sequence learning

Marius Barth, Christoph Stahl & Hilde Haider

University of Cologne

11:10 Sequence learning in the Change Blindness paradigm

Anja Kühnel

Medical School Berlin

11:30 Goal tracking in humans - A new paradigm to test new and old predictions

Anna Thorwart^a & Justin Harris^b

^a Philipps-University Marburg, ^b University of Sydney

Symposium

Inter-Individual Differences in Non-Conscious Perception and Access to Awareness (Part II)

HS 7

Convenors: *Aiste Jusyte & Timo Stein*

10:30 Binocular rivalry: From emotion to psychopathology

Georg W. Alpers & Antje B.M. Gerdes

University of Mannheim

10:50 Unconscious processing of affective information in antisocial personality disorder

Aiste Jusyte, Sarah V. Mayer & Michael Schönenberg

University of Tübingen

11:10 Inter-individual differences in unconscious processing of affective visual information

Philipp Sterzer, Katharina Schmack, Apoorva Madipakkam & Marcus Rothkirch

Charité - Universitätsmedizin Berlin

11:30 Discussion

Aiste Jusyte^a & Timo Stein^b

^a University of Tübingen, ^b University of Trento

Symposium

Cognitive Modeling in Memory and Decision Making (Part II)

HS 9

Convenors: *David Kellen, Henrik Singmann & Thorsten Pachur*

10:30 A model-based account of the effect of mind wandering on decision-making

Guy Hawkins^a, Matthias Mittner^b, Wouter Boekel^a, Andrew Heathcote^c

& Birte Forstmann^a

^a University of Amsterdam, ^b University of Tromsø, ^c University of Tasmania

10:50 The effect of phonological similarity and articulatory suppression on serial recall: A test of the SOB-CS model

Klaus Oberauer & Marcel Niklaus

University of Zurich

11:10 Examining the relationship between emotion and forgetting by a dual-process SAT model

Eda Mizrak & Ilke Öztekin

Koc University Istanbul

11:30 The flexibility of models of recognition memory: The case of confidence ratings

David Kellen^a & Karl Christoph Klauer^b

^a University of Basel, ^b University of Freiburg

Talk session

Action Control III

- HS 10 Chair: *Maximilian Philipp Wolkersdorfer*
- 10:30 **The retrieval of instructed stimulus-response associations relies on working memory capacity**
Christina Pfeuffer^a, Karolina Moutsopoulou^b, Florian Waszak^b & Andrea Kiesel^a
^a University of Freiburg, ^b Université Paris Descartes
- 10:50 **Conflict adaptation as affect regulation**
Constantin Schmidts & Wilfried Kunde
University of Würzburg
- 11:10 **The influence of perceptual properties on the distractor response binding effect**
Tarini Singh, Birte Moeller & Christian Frings
Trier University
- 11:30 **Prime competition in fast motor responses: When a second prime supersedes the first**
Maximilian Philipp Wolkersdorfer, Larissa Leist, Thomas Wegner, Stefan Hellrigel, Stefanie Scuelfort & Thomas Schmidt
University of Kaiserslautern

Symposium

Kognition und Emotion in der Mensch-Technik-Interaktion (Part II)

- HS 12 Convenors: *Nils Backhaus, Stefan Brandenburg, Anna Katharina Trapp & Manfred Thüring*
- 10:30 **Zeitwahrnehmung und zeitbasierte Bewertungen im Usability-Testing**
Anna Katharina Trapp & Nils Backhaus
TU Berlin
- 10:50 **The dynamics of film-induced affect and its effect on the interaction with mobile devices**
Stefan Brandenburg & Nils Backhaus
TU Berlin
- 11:10 **The impact of automation on older and younger drivers' perception of driving comfort and joy**
Franziska Hartwich, Matthias Beggiato & Josef F. Krems
TU Chemnitz
- 11:30 **Discussion**
Manfred Thüring
TU Berlin

Symposium

The Regulation of Cognitive Control in Multitasking (Part II)

HS 13

Convenors: *Markus Janczyk & Rico Fischer*

10:30 Introspective limitations in task switching

Daniel Bratzke & Donna Bryce

University of Tübingen

10:50 Eliminating dual-task costs by minimizing crosstalk between tasks: The role of modality and feature pairings

Katrin Göthe^a, Klaus Oberauer^b & Reinhold Kliegl^a

^a University of Potsdam, ^b University of Zurich

11:10 Evidence on concurrent processing of visual attention in speeded and accurate visual searches and difficult response selection

Christina B. Reimer & Torsten Schubert

Humboldt-Universität zu Berlin

11:30 Discussion

Rico Fischer^a & Markus Janczyk^b

^a University of Greifswald, ^b University of Tübingen

Symposium

Recent Advances in Evaluative Conditioning Research (Part II)

HS 14

Convenor: *Mandy Hütter*

10:30 Using continuous flash suppression to investigate preconscious evaluative conditioning: Workings and limits

Fabia Högden & Christian Unkelbach

University of Cologne

10:50 Subliminal CS presentation in a cross-modal evaluative conditioning paradigm

Tobias Heycke & Christoph Stahl

University of Cologne

11:10 Evaluative conditioning for objectively supraliminal, but subjectively subliminal CSs

Karoline Bading & Christoph Stahl

University of Cologne

11:30 Differential role of awareness in evaluative conditioning depending on the conditioned stimuli

Adrien Mierop^a, Olivier Corneille^a, Catia Teixeira^a & Mandy Hütter^b

^a Université catholique de Louvain, ^b University of Tübingen

Posters II, Tuesday, 14:00-15:00 (2nd Floor Hallway)

Action Control

- T-1 **What the pupil can tell us about conflict processing in the Simon task**
Michael A. Kursawe & Jochen Müsseler
RWTH Aachen University
- T-2 **Multi-task integration facilitates implicit motor learning**
Laura Bröker^a, Rita de Oliveira^b, Markus Raab^a, Mathias Hegele^c & Jörg Schorer^d
^a German Sport University Cologne, ^b London South Bank University, ^c Leibniz Research Centre for Working Environment and Human Factors, ^d University of Münster
- T-3 **Across-task binding impairs implicit sequence learning in dual-task situations**
Eva Röttger^a, Hilde Haider^a & Robert Gaschler^b
^a University of Cologne, ^b FernUniversität in Hagen
- T-4 **The role of instructions in learning-based reconfiguration of task sets**
Dorit Wenke^a, Nicolas Schuck^b, Luise Hildebrandt^c & Robert Gaschler^d
^a PFH Göttingen, ^b Princeton University, ^c HU Berlin, ^d FernUniversität in Hagen
- T-5 **Action-effect binding meets agency**
Roland Pfister^a, Sebastian Burger^a, Katharina Schwarz^a, David Dignath^b & Wilfried Kunde^a
^a University of Würzburg, ^b University of Freiburg
- T-6 **Was it me? – Filling the interval between actions and effects increases agency but not sensory attenuation**
Lisa Weller, Roland Pfister, Katharina Schwarz & Wilfried Kunde
Julius-Maximilians-Universität Würzburg
- T-7 **The mental timeline in a crossed-hands paradigm: A matter of instruction**
Irmgard de la Vega, Verena Eikmeier, Rolf Ulrich & Barbara Kaup
University of Tübingen

Attention II

- T-8 **Temporal stability of attention capture effects measuring manual responses and eye movements**
Hanna Weichselbaum, Christoph Huber-Huber & Ulrich Ansorge
University of Vienna
- T-9 **When does time really fly? – The influence of task importance on the perception of duration**
Roman Briker^a & Stefan Berti^b
^a Gießen University, ^b JGU Mainz

- T-10 **Does the feeling of error detection emerge already before the response?**
Francesco Di Gregorio, Martin E. Maier & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt
- T-11 **Attentional network functions in patients with asymptomatic carotid artery stenosis**
Árpád Csathó, Alexandra Nagy, László Szapáry, Attila Trunk, Péter Csécsei, Emese Lovadi & Kinga Tóth-Simon
University of Pécs
- T-12 **Can visual spatial attention be influenced by aesthetic stimuli?**
Bettina Rolke & Elisabeth Hein
University of Tübingen
- T-13 **Individual differences in interference tasks**
Julia M. Haaf & Jeffrey N. Rouder
University of Missouri
- T-14 **Die Worst Performance Rule: Reaktionszeiten, Intelligenz und Task-Unrelated Thoughts**
Yasemin Kiran, Anna-Lena Schubert & Jan Rummel
Heidelberg University

Perception II

- T-15 **The effect of scene semantics on eye movement control during development or what the milk in the bathroom can tell us**
Sabine Öhlschläger & Melissa Le-Hoa Võ
Goethe University Frankfurt
- T-16 **Visuomotor processing and perception of natural morphed images in spider phobics**
Melanie Schröder^a, Philipp Schmidt^b, Thomas Schmidt^a & Anke Haberkamp^c
^aTU Kaiserslautern, ^bJGU Gießen, ^cPhilipps-University Marburg
- T-17 **A dorsal processing bias under continuous flash suppression? Evidence from priming experiments**
Maren Suilmann^a, Natasha Darcy^b, Marcus Rothkirch^b, Philipp Sterzer^b & Guido Hesselmann^b
^aAlpen-Adria-University Klagenfurt, ^bCharité - Universitätsmedizin, Berlin
- T-18 **Exploring multisensory duration integration: An MMN study**
Maria Dolores De la Rosa Gamiz & Karin Bausenhardt
University of Tübingen
- T-19 **Minimal evidence for optimal Bayesian updating in visual perception**
April Swagman & Jeffrey N. Rouder
University of Missouri

- T-20 **The influence of a background object on motion correspondence**
Elisabeth Hein & Bettina Rolke
University of Tübingen
- T-21 **Comparing the perception of duration during self-rotation and circularvection**
Katrin M. Kliegl^a, Reinhart Jürgens^b & Wolfgang Becker^b
^aUlm University, ^bUlm University Hospital

Judgment and Decision Making II

- T-22 **Wahl ohne Qual – Der Einfluss von Farben auf die Entscheidungsfindung**
Thomas Bäumer, Katrin Beck, Franziska Kolb & Anja Pfeifer
Hochschule für Technik Stuttgart
- T-23 **Open Sampling: The effect of arrangement of gamble outcomes on risky choices**
Luisa Horsten, Felix Henninger, Sarah-Maria Anton, Melissa Drummer, Laura Kraus & Julia Lischitzki
Universität Koblenz-Landau
- T-24 **Methods of boosting individual decision making: Judgment aggregation with subjective confidences**
Aleksandra Litvinova, Stean Herzog & Ralph Hertwig
Max Planck Institute for Human Development
- T-25 **101 shades of grey: How graphical instead of numeric display improves decision time in risky choices without reducing normative accuracy**
Kevin Tiede, Felix Henninger, Kevin Glaß, Kristin Heybach, Charlene Pfalzgraf, Jonathan Roth, Arndt Schäfer & Jens Schneider
University of Koblenz-Landau
- T-26 **One model fits all: Explaining many aspects of number comparison within a single coherent model - A random walk account**
Dennis Reike & Wolf Schwarz
University of Potsdam
- T-27 **Wer hat Furcht vor Misserfolg? - Einfluss eines impliziten Motivs auf die Informationsverarbeitung**
Maximilian Lückel, Vinona Wicht, Anne Bülow, Stephanie Schuchhardt, Moritz Morast, Jasmin Stein & Veronika Lerche
Heidelberg University

Language II

- T-28 **Which piano? The different costs of ambiguous references in sentence processing**
Christian Brauner, Verena C. Seibold & Bettina Rolke
University of Tübingen

- T-29 **Who is stripy and who isn't? Using negation to investigate the lexical and sentential influences on the N400 complex**
Carolin Dudschig, Claudia Maienborn & Barbara Kaup
University of Tübingen
- T-30 **When words collide: Priming effects of adjective-noun phrases beyond the word level**
Fritz Günther, Carolin Dudschig & Barbara Kaup
University of Tübingen
- T-31 **Visual speaker information and sentence processing: Evidence for rapid integration**
Franziska Rück, Irmgard de la Vega, Hartmut Leuthold & Barbara Kaup
University of Tübingen
- T-32 **Are experiential simulations functionally relevant for comprehension?**
Jessica Strozyk, Carolin Dudschig & Barbara Kaup
University of Tübingen
- T-33 **Seeing this, hearing that – Semantic interference in picture and sound naming tasks**
Stefan Wöhner, Jörg D. Jescheniak & Andreas Mädebach
Leipzig University

Developmental Psychology I

- T-34 **Theory of mind and executive functions in preschoolers**
Wiebke F. Evers, Laura M. Walk & Markus Kiefer
Ulm University
- T-35 **The development of context-sensitive control adjustment**
Caroline Gottschalk^a, Anett Kretschmer-Trendowicz^a, Mareike Altgassen^b & Rico Fischer^c
^aTU Dresden, ^bRadboud University Nijmegen, ^cErnst-Moritz-Arndt Universität Greifswald
- T-36 **Shallow perceptual and deeper semantic processing affect event-related potentials (ERPs) of successful memory retrieval in children and adults**
André Haese & Daniela Czernochowski
University of Kaiserslautern
- T-37 **Sex differences in delay of gratification in 40-month-old children and the relation to prenatal testosterone levels**
Lisa M. Körner, Bettina M. Pause & Martin Heil
Heinrich-Heine-University Düsseldorf
- T-38 **Infants' perception of unexpected actions: A comparison to adult data**
Miriam Langeloh^a, David Buttelmann^b, Susanne Grassmann^c, Sabina Pauen^a & Stefanie Hoehl^a
^aHeidelberg University, ^bErfurt University, Bern University, ^cUniversity of Zurich

Social Cognition II

- T-39 **The role of episodic memory in illusory correlation – Evidence for the distinctiveness account**
Michael Weigl^a, Axel Mecklinger^a & Timm Rosburg^b
^a Saarland University, ^b University Psychiatric Clinics Basel
- T-40 **Resultant (moral) luck: Post hoc decision evaluation as dependent on belief truth, belief justification, and outcome in moral and prudential situations**
Christina Botros
Leuphana Universität Lüneburg
- T-41 **Tilted heads, tilted minds: Influence of face cueing on estimation of prices**
Paul-Michael Heineck & Felix J. Goetz
University of Würzburg
- T-42 **Facial attractiveness and the cone of gaze**
Andreas Baranowski^a, Helmut Leder^b, Evgenia Boyarskaya^a, Tobias M. Schneider^c & Heiko Hecht^a
^a JGU Mainz, ^b University of Vienna, ^c University of Bamberg
- T-43 **How the quest for significance becomes a need for sex: Why radical groups use sexual lures as means of recruitment**
Yara Joseph Kassab, Simon David Isemann, Georg Halbeisen & Eva Walther
Trier University
- T-44 **Mirror, mirror on the wall - The impact of mediated attractiveness priming on individuals' self-esteem**
Laura Winkler & Kevin Koban
TU Chemnitz
- T-45 **The effect of empathy on pro-environmentalism**
Laura Henn
Otto-von-Guericke Universität Magdeburg
- T-46 **Hot or not? Experiencing physical warmth promotes women's ratings of male attractiveness**
Sally Marie Ischebeck, Lisa Baßfeld & Sascha Schwarz
Wuppertal University
- T-47 **Replicability of Maier et al.'s 2014 "Feeling the future" article Exp. 4**
Markus Maier
LMU Munich

Methodology

- T-48 **Feasibility of web-based reaction time tasks: Comparing a laboratory and three web-based settings using the classical Stroop experiment**
Franziska Jeromin & Antonia Barke
Philipps-University Marburg

- T-49 **Comparing classical, web-in-lab and online data recording through the replication of five experiments**
Kilian Semmelmann & Sarah Weigelt
Ruhr-University Bochum
- T-50 **Efficiency of the reaction times data preprocessing methods**
Philipp Upravitelev
Game Insight
- T-51 **Does the presentation and scoring of Pick-N items affect test reliability and validity? An experimental investigation of the Pick-N answer format**
Karin Stangenberg, Birk Diedenhofen & Jochen Musch
Heinrich-Heine-Universität Düsseldorf
- T-52 **Measurement of heart rate by mobile wrist bands**
Sebastian Schnieder^a, Guillermo Hidalgo Gadea^a, Sonja-Dana Roelen^a, André Wiggerich^b & Jarek Krajewski^a
^aWuppertal University, ^bTU Dresden

Learning I

- T-53 **Stimulus specificity of intradimensional and extradimensional transfer effects in associative learning**
Florian Kattner & C. Shawn Green
University of Wisconsin-Madison
- T-54 **Adaptation aftereffects in biological representations reflect the level of expertise**
Antonia Reindl^a, Tilo Strobach^b, Carola Becker^a, Gerhard Scholtz^a & Torsten Schubert^a
^aHumboldt Universität zu Berlin, ^bMSH Medical School Hamburg
- T-55 **Dissociating short- from long-term calibration of interval timing**
Wanja Mössing^a, Tadeusz W. Kononowicz^b & Hedderik van Rijn^c
^aUniversity of Münster, ^bUniversité Paris-Sud, ^cUniversity of Groningen
- T-56 **Thinking of the average only second helps students to draw learning curves**
Robert Gaschler^a, Christine Blech^a, Claudia Krause^a, Michael Kriechbaumer^b, Maike Kemper^c & Claudia Godau^c
^aFernUniversität in Hagen, ^bUniversität Koblenz-Landau, ^cHumboldt-Universität zu Berlin
- T-57 **Learning and forgetting of(f) the curve: Assessing and improving learning curve knowledge with a free production technique**
Christine Blech, Claudia Krause & Robert Gaschler
FernUniversität in Hagen
- T-58 **Delayed visual feedback shifts learning of a visuomotor rotation towards explicit adaptation**
Raphael Schween & Mathias Hegele
Gießen University

Traffic Psychology

- T-59 **Emotion induction in a driving simulation task**
Klara Sailer, Franz Wurm & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt
- T-60 **Conversation modulation in in-vehicle speech-dialogue-systems: Strategies for multitasking considering the cognitive workload of the driver**
Nico Tschöpe^{ab}, Ute Ehrlich^b, Johannes Kraus^a, Julian E. Reiser^{ab} & Martin Baumann^a
^a Universität Ulm, ^b Daimler AG
- T-61 **“Attention! Stop!” – Drivers’ reactions upon a multi stage warning system for urban areas**
Susann Winkler, Juella Kazazi & Mark Vollrath
TU Braunschweig
- T-62 **Welche Folgen haben selbstfahrende Autos für die Verkehrssicherheit?**
Wolf-Dietrich Zuzan

Clinical Psychology

- T-63 **Drama therapy improves social skills in children with attention deficit hyperactivity disorder**
Solmaz Azizi^a, Seyed Ali Hosseini^a, Hooshang Mirzaei^a, Katayoon Khooshabi^a & Reza Rostami^b
^a University of Social Welfare and Rehabilitation, Tehran, Iran, ^b University of Tehran
- T-64 **Differential effects of a game-based task-switching training on motivation and interference control in children with ADHD**
Sandra Dörrenbächer & Jutta Kray
Saarland University
- T-65 **Emotionserkennung bei Schizophrenie und Borderline Persönlichkeitsstörung**
Sabrina Fenske, Stefanie Lis, Susanne Englisch, Peter Kirsch & Daniela Mier
Central Institute of Mental Health
- T-66 **Behaviorale und neuronale Korrelate der automatischen Verarbeitung Traumaspezifischer visueller Stimuli bei Patienten mit Posttraumatischer Belastungsstörung**
Theresa Slump, Paula Neumeister, Katharina Feldker, Carina Y. Heitmann & Thomas Straube
Westfälische Wilhelms-Universität Münster
- T-67 **Coalition formation in women with Borderline Personality Disorder (BPD): Evidence from a behavioral economic experiment with interaction in dyads and triads**
Haang Jeung^a, Martin Vollmann^b, Sabine C. Herpertz^a & Christiane Schwieren^b
^a University Hospital Heidelberg, ^b Heidelberg University

- T-68 **Threat sensitivity in Borderline Personality Disorder – An eye tracking study**
Marlene Krauch^a, Katja Bertsch^b, Katharina Stopfer^b, Katrin Haeussler^c, Sabine C. Herpertz^b & Matthias Gamer^d
^a Heidelberg University, ^b Center for Psychosocial Medicine, Heidelberg University, ^c Central Institute of Mental Health Mannheim, Medical Faculty Mannheim/Heidelberg University, ^d University of Würzburg
- T-69 **Dopaminergic modulation of error processing: Evidence from event-related brain potentials**
Caroline Seer, Florian Lange, Sebastian Loens, Florian Wegner, Christoph Schrader, Dirk Dressler, Reinhard Dengler & Bruno Kopp
Hannover Medical School

Talks & Symposia VII, Tuesday, 15:00-16:20

Symposium

Spatial Cognition – Spatial Language, Culture, Memory, and Modeling

HS UGX60

Conveners: *Florian Röser & Kai Hamburger*

15:00 **Language cues in the formation of hierarchical representation of space: How to build a linguistic landmark**

Wiebke Schick

University of Tübingen

15:20 **Spatial memory in the vertical plane: The influence of gravity and room orientation during learning and retrieval**

Thomas Hinterecker^a, Caro Leroy^a, Martin V. Butz^b, Heinrich H. Bühlhoff^a & Tobias Meilinger^a

^a Max Planck Institute for Biological Cybernetics, ^b University of Tübingen

15:40 **Cultural influences on structural landmark salience: Right-hand traffic vs. left-hand traffic**

Florian Röser^a, Sarah J. Abbott^b & Kai Hamburger^c

^a Darmstadt University of Applied Sciences, ^b Ruhr-University Bochum, ^c Justus-Liebig-University Gießen

16:00 **Modeling route recall using landmarks**

Karoline Greger^a, Rebecca Albrecht^b & Rul von Stülpnagel^a

^a University of Freiburg, ^b Universität Basel

Talk session

Decision Making & Modeling

HS 1

Chair: *Marc Jekel*

15:00 **Impact of information costs on the attraction search effect in multiple-cue decision making**

Marc Jekel^a, Andreas Glöckner^b & Arndt Bröder^c

^a FernUniversität in Hagen, ^b FernUniversität in Hagen, MPI Collective Goods Bonn, ^c University of Mannheim

15:20 **An exemplar-based random walk model for quantitative estimation**

Rebecca Albrecht^a, Bettina von Helversen^a, Janina A. Hoffmann^b, Timothy J. Pleskac^c & Jörg Rieskamp^a

^a University of Basel, ^b University of Konstanz, ^c Max Planck Institute for Human Development Berlin

15:40 **Testing learning mechanisms of rule-based judgment**

Janina A. Hoffmann^a, Bettina von Helversen^b & Jörg Rieskamp^c

^a University of Konstanz, ^b University of Zurich, ^c University of Basel

16:00 **Towards a framework for human judgments of quantitative information: The Numerical Judgment Process (NJP) Model**

Ola Svenson

University of Stockholm

Talk session

Memory II

HS 4a

Chair: *Alp Aslan*

15:00 **The revelation effect depends on task difficulty and placement**

André Aßfalg^a, Devon Currie^b & Daniel Bernstein^c

^a University of Freiburg, ^b University of Calgary, ^c Kwantlen Polytechnic University

15:20 **A new global matching explanation for the revelation effect**

Martin Brandt, Lisa Heck, Ann-Kathrin Zaiser, Johannes Prager & Nicole Arendt

University of Mannheim

15:40 **The picture superiority in free recall: The effects of semantic association and age**

Christiane Baadte & Bozana Meinhardt-Injac

JGU Mainz

16:00 **Adaptive memory: Animacy processing enhances young children's retention**

Alp Aslan

Martin Luther University Halle-Wittenberg

Talk session

Embodied Cognition I

HS 4

Chair: *Mandy Nuszbaum*

15:00 **Need for Interpersonal Touch: How briefly touches make us feel confident**

Mandy Nuszbaum^a, Andreas Voß^b & Karl Christoph Klauer^c

^a FOM University of Applied Sciences Nuremberg, ^b Heidelberg University, ^c University of Freiburg

15:20 **Grasping feelings: Proximity of hands to positive pictures boosts mood recovery**

Susana Ruiz Fernández^a, Martin Lachmair^a, Juan Jose Rahona^c & Peter Gerjets^a

^a Leibniz Institut für Wissensmedien, ^b Baden-Württemberg Cooperative State University (DHBW)

15:40 **Touching the embodied mind: Selective interference between mental rotation and tactile stimulation**

Johannes Lohmann, Bettina Rolke & Martin V. Butz

University of Tübingen

16:00 **Investigating embodied choice in the guided movement task**

Marton Kovacs^a, Peter Szecsi^a, Bence Palfi^a, Aba Szollosi^a, Barnabas Szaszi^a, Pascal J. Kieslich^b & Balazs Aczel^a

^a Eotvos Lorand University, ^b University of Mannheim

Symposium

Social Cognition and Action Control

HS 5

Convenors: *Roman Liepelt & Bernhard Hommel*

- 15:00 **How joint action changes valence-based action coding**
Roman Liepelt & Anna Stenzel
University of Münster
- 15:20 **Agency in the joint Simon task**
Emanuele Porcu & Roman Liepelt
University of Münster
- 15:40 **On the comparability of processes underlying the joint flanker effect and the joint Simon effect**
Kerstin Dittrich, Marie-Luise Bossert, Annelie Rothe-Wulf & Karl Christoph Klauer
University of Freiburg
- 16:00 **The Theory of social Event Coding (TsEC): Explaining self- and other-representation, social conformity and trust**
Bernhard Hommel
Leiden University

Talk session

Face Processing

HS 6

Chair: *Anne Böckler*

- 15:00 **Catching eyes: Attention capture by sudden direct gaze and its modulation by eye visibility, head orientation and facial expression**
Anne Böckler^a, Robrecht van der Wel^b & Timothy Welsh^c
^a Julius-Maximilians-Universität Würzburg, ^b Rutgers University, ^c University of Toronto
- 15:20 **Early attention to facial stimuli is biased in social phobia**
Sabrina Boll^a & Matthias Gamer^b
^a Heidelberg University Hospital, ^b University of Würzburg
- 15:40 **Individual differences in the contribution of shape and texture to personally familiar face recognition**
Jürgen M. Kaufmann, Marlena L. Itz & Stefan R. Schweinberger
Friedrich Schiller University Jena
- 16:00 **On the generation and retrieval of facial representations**
Tobias Matthias Schneider & Claus-Christian Carbon
University of Bamberg

Talk session

Choice Behavior

HS 7

Chair: *Nathaniel Ashby*

- 15:00 **Similarities and differences in eye-movements during valuation and choice**
Nathaniel Ashby & Eldad Yechiam
Technion - Israel Institute of Technology
- 15:20 **When are eye movements related to attitudes towards vegetables during food choice? A comparison of choice tasks using mobile eye tracking**
Laura M. König^a, Tom Foulsham^b, Harald T. Schupp^a & Britta Renner^a
^a University of Konstanz, ^b University of Essex
- 15:40 **Salient nutrition labels increase the integration of health attributes in food choice - (attentional) Drift Diffusion Modeling**
Laura Enax^a, Ian Krajbich^b & Bernd Weber^a
^a University of Bonn, ^b Ohio State University
- 16:00 **Zusammenhang zwischen der Ambiguitätstoleranz von Konsumenten und deren Informationsverhalten beim Kauf von umweltfreundlichen Produkten**
Martin Pittner & Gerald Kolar
FH Wien der WKW

Symposium

Diffusion Model Analyses

HS 9

Convenors: *Veronika Lerche & Andreas Voß*

- 15:00 **Empirical validation of the diffusion model for recognition memory and a comparison of parameter-estimation methods**
Nina R. Arnold^a, Arndt Bröder^a & Ute J. Bayen^b
^a University of Mannheim, ^b Heinrich-Heine-Universität Düsseldorf
- 15:20 **Extending the diffusion model to paradigms with slower responses**
Veronika Lerche, Andreas Voß & Anne Bülow
Heidelberg University
- 15:40 **The censored shifted Wald distribution represents a Wiener diffusion model of choice response times: Evidence from simulations and a Go/No-go task**
Robert Miller^a, Stefan Scherbaum^a, Daniel W. Heck^b, Thomas Goschke^a & Sören Enge^a
^a TU Dresden, ^b University of Mannheim
- 16:00 **Multi-attribute decision making: A diffusion model approach**
Sebastian Dummel, Andreas Voß & Jan Rummel
Heidelberg University

Talk session

Action Control IV

HS 10

Chair: *Thomas Kleinsorge*

15:00 Action event discrimination

Marietta Sionti & Thomas Schack

CITEC-University of Bielefeld

15:20 Neural correlates of error processing in a complex motor task – An EEG-study

Michael Joch, Lisa Maurer, Heiko Maurer & Hermann Müller

Justus-Liebig-University University Gießen

15:40 Secondary tasks in task switching – The impact of dynamic and constant tasks in switch costs

Miriam Gade^a, Karin Friedrich^b & Iring Koch^c

^aCatholic University of Eichstaett-Ingolstadt, ^bSchoen Kliniken Vogtareuth, ^cRWTH Aachen

16:00 Incorrect guesses but not denied choices reduce switch costs

Thomas Kleinsorge & Juliane Scheil

IfADo

Talk session

Multimedia Learning

HS 12

Chair: *Stephanie Moser*

15:00 The jigsaw principle in educational videogames

Steve Nebel, Sascha Schneider, Maik Beege, Maria Wirzberger & Günter Daniel Rey

TU Chemnitz

15:20 Politeness in multimedia instructions as facilitator of learning and motivation

Sascha Schneider, Steve Nebel, Simon Pradel & Günter Daniel Rey

TU Chemnitz

15:40 Look into my eyes! Exploring the effect of addressing in multimedia learning

Maik Beege, Steve Nebel, Sascha Schneider & Günter Daniel Rey

TU Chemnitz

16:00 The effect of metacognitive training and prompting in simulation-based learning

Stephanie Moser, Jörg Zumbach & Ines Deibl

University of Salzburg

Symposium

Action Control

- HS 13 Convenors: *Christian Seegelke & Dirk Koester*
- 15:00 **An investigation into cross-talk between language and motor processes: Influence of hand and grip type**
Christian Seegelke & Dirk Koester
Bielefeld University
- 15:20 **Declarative versus procedural attentional selection in sequential sensorimotor actions**
Rebecca M. Foerster & Werner X. Schneider
Bielefeld University
- 15:40 **Grasp selection for two-step object manipulation: When does the second step really matter?**
Hanna Mathew & Oliver Herbolt
Universität Würzburg
- 16:00 **Hands on interactions: The use of motor control as tool to investigate social cognition**
Claudia Gianelli
University of Potsdam

Symposium

Recent Advances in Evaluative Conditioning Research (Part III)

- HS 14 Convenor: *Mandy Hütter*
- 15:00 **Evaluative conditioning as memory-based judgment**
Christoph Stahl, Julia Haaf & Frederik Aust
University of Cologne
- 15:20 **Stimulus pairings as a symbolic cue for changes in liking: A novel perspective on evaluative conditioning**
Sean Hughes & Jan De Houwer
Ghent University
- 15:40 **Evaluative conditioning? I don't know what you mean... - Weaker EC effects found among high meanness scorers**
Olivier Corneille^a, Adrien Mierop^a, Catia Teixeira^a & Pedro Almeida^b
^a Université catholique de Louvain, ^b University Porto
- 16:00 **Women are not evaluated on the assertiveness dimension: Conditioning as a measurement tool of attribute salience**
Juliane Burghardt^a, Freyja Fischer^b & Mirella Walker^c
^a Universität zu Köln, ^b Universität Osnabrück, ^c Universität Basel

Talks & Symposia VIII, Tuesday, 16:40-18:20

Talk session

Speech

HS UGX60

Chair: *Benjamin Gagl*

- 16:40 **Acoustic speech learning without phonemes: Identifying words isolated from spontaneous speech as a validation for a discriminative learning model for acoustic speech learning**
Denis Arnold, Florence Lopez, Tino Sering, Fabian Tomaschek & Harald Baayen
University of Tübingen
- 17:00 **Flour or flower? Resolution of lexical ambiguity by emotional prosody in a non-native language**
Julia Haustein & Adriana Hanulikova
University of Freiburg
- 17:20 **Comparison of neural correlates after positive, negative and neutral feedback during speech–non-speech discrimination**
Petra Ludowicy, Tina Weis, André Haese, Daniela Czernochowski & Thomas Lachmann
University of Kaiserslautern
- 17:40 **The sparse familiarity model: Building a computational basis for the left ventral occipito-temporal cortex (lvOT) in visual word recognition**
Benjamin Gagl^a, Fabio Richlan^b, Philipp Ludersdorfer^b, Florian Hutzler^b, Jona Sassenhagen^a & Christian J. Fiebach^a
^aGoethe University Frankfurt, ^bUniversity of Salzburg
- 18:00 **Schläfrigkeit in funkverkehrsgestützter Kommunikation: Sprachsignal-basierte Mustererkennungsanalyse**
Sebastian Schnieder^a, Elmar Nöth^b, Anton Batliner^b, Sonja-Dana Roelen^a, Anke Brunstein^c & Jarek Krajewski^{a & d}
^aUniversity of Wuppertal, ^bFriedrich-Alexander-Universität Erlangen-Nürnberg, ^cTU Berlin, ^dRFH Köln

Symposium

Music Cognition

HS 1

Convenors: *Thomas Schäfer & Christian Kaernbach*

- 16:40 **Being moved by music and movies**
Christian Kaernbach^a & Mathias Benedek^b
^aChristian-Albrechts-Universität zu Kiel, ^bKarl-Franzens-Universität Graz

- 17:00 **'Hurts like Heaven' - An experimental investigation on the pain-reducing effect of listening to music**
Alexandra Linnemann, Lena Reddemann, Anne-Marie Leonhardt & Urs M. Nater
Philipps-University Marburg
- 17:20 **Cognitive links between music and language in young children**
Caroline Cohrdes, Lorenz Grolig & Sascha Schroeder
Max-Planck-Institute of Human Development
- 17:40 **Auditory stimulation training in preschool children with language impairments – A longitudinal study**
Ingo Roden, Kaija Früchtenicht, Gunter Kreutz & Dietmar Grube
Carl von Ossietzky Universität Oldenburg
- 18:00 **The effect of social feedback on music preference**
Thomas Schäfer
TU Chemnitz

Talk session

Complex Attentional Processing

- HS 4a Chair: *Sebastian Schindler*
- 16:40 **Selective visual attention to emotional words**
Sebastian Schindler & Johanna Kissler
University of Bielefeld
- 17:00 **The temporal dynamics of eye movements to blank spaces during memory retrieval of verbal information**
Agnes Scholz & Josef F. Krems
TU Chemnitz
- 17:20 **Stimulus-response vs. category-language binding in language switching**
Andrea M. Philipp & Iring Koch
RWTH Aachen University
- 17:40 **Perception at a glance: The development of high-level categorization**
Stefanie Peykarjou^a, Stefanie Hoehl^a, Bruno Rossion^b & Sabina Pauen^a
^a Heidelberg University, ^b UC Louvain

Symposium

Numerical Cognition

- HS 4 Convenor: *André Knops*
- 16:40 **SNARC meets SPARC in the MRI – Interdependence of compatibility effects depends on the semantic content**
Tina Weis^a, Barbara Estner^{a, c}, Christoph M. Krick^b & Thomas Lachmann^c
^a Center for Cognitive Science, ^b Saarland University Hospital, ^c University of Kaiserslautern

- 17:00 **Competing biases in mental arithmetic**
Martin H. Fischer & Samuel Shaki
 University of Potsdam
- 17:20 **Can bilingualism affect numerical cognition? New insights from the neural correlates of bilinguals' arithmetic problem solving**
Amandine Van Rinsfeld^a, Laurence Dricot^b, Mathieu Guillaume^a & Christine Schiltz^a
^a University of Luxembourg, ^b Université catholique de Louvain
- 17:40 **A common neural substrate of processing symbolic and non-symbolic proportions – Evidence from fMRI**
Elise Klein^a, Julia Mock^{a, b}, Julia F. Dietrich^{a, b}, Johannes Bloechle^{a, b}, Julia Bahnmüller^{a, b}, Stefan Huber^a & Korbinian Moeller^{a, b}
^a Leibniz-Institut für Wissensmedien, ^b University of Tübingen
- 18:00 **On the impact of age and format on proportional reasoning**
Laurianne Vagharchakian^a, Véronique Izard^b, Wouter van den Bos^a & André Knops^c
^a Max Planck Institute for Human Development, ^b Université Paris Descartes, ^c Humboldt-Universität Berlin

Symposium

Implicit Priming

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- HS 5 Convenors: *Daniel Memmert & Matthias Weigelt*
- 16:40 **The off-center effect in soccer penalty kicking as an approach to distinguish different thresholds of perception in a natural task environment.**
Benjamin Noël^a, John van der Kamp^b, Matthias Weigelt^c & Daniel Memmert^a
^a German Sport University Cologne, ^b VU University, ^c Paderborn University
- 17:00 **Taxing the taxonomy of Dehaene et al. (2006) - Identifying the subliminal, preconscious, and conscious thresholds of visual perception in a complex, real-world task**
Matthias Weigelt^a, Benjamin Noël^b, John van der Kamp^c & Daniel Memmert^b
^a University of Paderborn, ^b German Sports University Cologne, ^c University of Amsterdam
- 17:20 **Masked priming of complex movements: Perceptual and motor processes in unconscious action perception**
Iris Güldenpenning, Jelena Braun, Daniel Machlitt & Thomas Schack
 University of Paderborn
- 17:40 **Not quite so blind: Semantic processing despite inattentional blindness**
Carina Kreitz^a, Robert Schnuerch^b, Henning Gibbons^b & Daniel Memmert^a
^a German Sport University Cologne, ^b University of Bonn
- 18:00 **Feeling the context: The role of context-evoked conflict experience in unconscious context-specific conflict adaptation**
Heiko Reuss & Wilfried Kunde
 Julius-Maximilians-Universität Würzburg

Talk session

Reasoning I

HS 6

Chair: *Momme von Sydow*

- 16:40 **Systematic logical inclusion fallacies within single polytomous dimensions**
Momme von Sydow
Heidelberg University
- 17:00 **New findings on intransitive chains and distorted betting decisions**
Dennis Hebbelmann & Momme von Sydow
Heidelberg University
- 17:20 **On the tragedy of personnel evaluation dilemmas**
Niels Braus & Momme von Sydow
Heidelberg University
- 17:40 **Illusory correlations emerge through positive experience sampling**
Sascha Kuhn, Max Ihmels & Florian Kutzner
Heidelberg University
- 18:00 **No correlation, no evidence for attention shift in category learning: Different mechanisms behind illusory correlations and the inverse base-rate effect**
Florian Kutzner
Heidelberg University

Talk session

Time Perception

HS 7

Chair: *Hauke S. Meyerhoff*

- 16:40 **Representation of sequential time on the back-front mental timeline in adults and pre-school children**
Verena Eikmeier, Hannes Schröter, Caterina Gawrilow & Rolf Ulrich
University of Tübingen
- 17:00 **The effect of stimulus expectancy on duration estimation: Evidence from self-generated expectations in a temporal bisection task**
Teresa Birngruber, Emanuel Schütt, Hannes Schröter & Rolf Ulrich
University of Tübingen
- 17:20 **Neural correlates of temporal overestimation**
Benjamin Ernst, Simon M. Reichard, Regina F. Riepl, Robert Steinhauser, Sarah F. Zimmermann & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt
- 17:40 **Spatiotemporal predictability alters perceived duration of visual events: Memento effect revisited**
Hauke Meyerhoff^a, Lucy D. Vanes^b & Markus Huff^c
^a Leibniz-Institut für Wissensmedien, ^b Kings College London, ^c University of Tübingen

- 18:00 **Perception in the somatosensory domain is modulated rhythmically by subliminal stimuli: Evidence for discrete perception?**

Joachim Lange, Thomas Baumgarten, Sara Koenigs & Alfons Schnitzler

Heinrich-Heine-University Düsseldorf

Talk session

Methodology

HS 9

Chair: *Frank Renkewitz*

- 16:40 **The latent-state trait structure of diffusion model parameters**

Gidon T. Frischkorn, Anna-Lena Schubert, Dirk Hagemann & Andreas Voß

Heidelberg University

- 17:00 **Why free choices take longer than forced choices**

Christoph Naefgen^a, Michael Dambacher^b & Markus Janczyk^a

^a University of Tübingen, ^b University of Konstanz

- 17:20 **Measuring response times using three response alternatives in a decision task**

Anton Öttl^a, Dawn Marie Behne^a, Pascal Gygax^b & Ute Gabriel^a

^a Norwegian University of Science and Technology, ^b Fribourg University

- 17:40 **Conducting smart experiments using Adaptive Design Optimization**

Ulf Mertens & Andreas Voß

Heidelberg University

- 18:00 **A comparative evaluation of methods to detect publication bias and *p*-hacking**

Frank Renkewitz & Melanie Keiner

Universität Erfurt

Talk session

Action Control V

HS 10

Chair: *Stefanie Mueller*

- 16:40 **Spatial reference frame(s) when reaching to proprioceptive targets**

Stefanie Mueller & Katja Fiehler

Gießen University

- 17:00 **Enhancement of tactile signals during reaching**

Dimitris Voudouris & Katja Fiehler

Justus-Liebig University Gießen

- 17:20 **Movement plans for posture selection do not transfer across hand**

Christoph Schütz & Thomas Schack

Bielefeld University

- 17:40 **Movement goal encoding in the frontoparietal reach network**

Hanna Gertz^a, Angelika Lingnau^b & Katja Fiehler^a

^a Justus-Liebig-University Gießen, ^b Royal Holloway University of London

- 18:00 **From conscious thought to automatic action: Action planning binds motor components to anticipated cues**
Torsten Martiny-Huenger^a, Sarah Martiny^a, Elizabeth Parks-Stamm^b, Elisa Pfeiffer & Peter M. Gollwitzer^c
^a UiT The Arctic University of Norway, ^b Grand Canyon University, ^c New York University

Symposium

Modulating Brain Dynamics by Non-Invasive Brain Stimulation

- HS 12 Convenors: *Nora Schaal & Ariane Keitel*
- 16:40 **The functional significance of the left posterior parietal cortex for precise timing**
Bettina Pollok, Katharina Stephan, Ariane Keitel, Vanessa Krause & Nora K. Schaal
Heinrich-Heine-University
- 17:00 **Modulation of motor learning by transcranial alternating and direct current stimulation**
Vanessa Krause, Anna Meier, Lars Dinkelbach, Ann-Christin Boysen & Bettina Pollok
Heinrich-Heine-University
- 17:20 **Anodal transcranial direct current stimulation (tDCS) over the right primary motor cortex (M1) inhibits implicit motor sequence learning**
Ariane Keitel, Henning Øfsteng, Vanessa Krause, Alfons Schnitzler & Bettina Pollok
Heinrich-Heine-Universität Düsseldorf
- 17:40 **Synaptic plasticity and motor learning in Tourette patients**
Valerie Brandt, Eva Niessen, Christos Ganos, Tobias Bäumer & Alexander Münchau
Universität zu Lübeck
- 18:00 **Improving pitch memory in congenital amusia with transcranial alternating current stimulation**
Nora K. Schaal, Jasmin Pfeifer, Vanessa Krause & Bettina Pollok
Heinrich-Heine-University Düsseldorf

Symposium

Can't Take my Eyes off You

- HS 13 Convenors: *Florian Goller & Frank Mast*
- 16:40 **Somewhere over the rainbow – The role of color information during search for onset targets**
Florian Goller & Ulrich Ansorge
University of Vienna
- 17:00 **Multi-feature attentional control sets**
Frank Mast^a, Charles Spence^b & Christian Frings^a
^a Trier University, ^b University of Oxford

- 17:20 **A novel singleton color captures attention on its first presentation**
Daniel Ernst & Gernot Horstmann
Bielefeld University
- 17:40 **Attentional suppression occurs in singleton detection, but not in feature search mode**
Dirk Kerzel & Caroline Barras
Université de Genève
- 18:00 **Attentional capture by subliminal abrupt onsets: Testing the display wide contingent orienting hypothesis**
Tobias Schoeberl & Ulrich Ansorge
University of Vienna

Symposium

New (Self-)Measurement of the Individual

HS 14

Convenor: *Lara Fritsche*

- 16:40 **Theoretical basis and utilization of health apps: A review**
Lara Fritsche
Universität Siegen
- 17:00 **Logging studies - A contemporary approach to data collection in psychology?**
Clemens Stachl
LMU Munich
- 17:20 **Research Assistant - A mobile data collection and analysis framework**
Ionut Andone
University of Bonn
- 17:40 **Statistical learning for psychologists**
Johannes Albert-von der Gönna
LMU Munich

Talks & Symposia IX, Wednesday, 9:20-10:50

Symposium

Uncovering the Dynamics of Cognitive Processes Using Mouse-Tracking: Methodology and Applications (Part I)

- HS UGX60 Convenors: *Pascal J. Kieslich & Stefan Scherbaum*
- 9:20 **Mousetrap: Free, open-source, and cross-platform mouse-tracking and analysis plug-ins**
Pascal J. Kieslich^a & Felix Henninger^b
^a University of Mannheim, ^b University of Koblenz-Landau
- 9:40 **The analysis of computer mouse movements can reveal the temporal dynamics of decision evolvment in the Ratio Bias task**
Bence Palfi, Barnabas Szasz, Aba Szollosi & Balazs Aczel
 Eotvos Lorand University
- 10:00 **Investigating racial biases in the decision to shoot using response dynamics**
Mary Frame, Joseph Johnson, Ruohui Zhang & Xiaolei Zhou
 Miami University
- 10:20 **Beyond the lab: Collecting mouse-tracking data in online studies**
Felix Henninger^a & Pascal J. Kieslich^b
^a University of Koblenz-Landau, ^b University of Mannheim

Symposium

Body Perception and Peripersonal Space

- HS 1 Convenor: *Jörg Trojan*
- 9:20 **The role of spatial (in-)congruence in the rubber hand illusion**
Jörg Trojan^a, Martin Riemer^b & Xaver Fuchs^c
^a University of Koblenz-Landau, ^b German Center for Neurodegenerative Diseases, ^c Central Institute of Mental Health
- 9:40 **Rubber hands drift, too: Spatial convergence of real and artificial embodied limbs**
Xaver Fuchs^a, Martin Riemer^b, Martin Diers^c, Herta Flor^a & Jörg Trojan^d
^a Central Institute of Mental Health, Mannheim, ^b German Center for Neurodegenerative Diseases (DZNE), Magdeburg, ^c Ruhr-University Bochum, Bochum, ^d University of Koblenz-Landau, Landau
- 10:00 **Spatial encoding of touch depends on task demands in sighted and congenitally blind individuals**
Jonathan Schubert^a, Stephanie Badde^b, Brigitte Röder^a & Tobias Heed^a
^a University of Hamburg, ^b New York University
- 10:20 **What is the role of space representation in pain perception?**
Diana Torta
 Universite catholique de Louvain

Talk session

Memory and Cognition in Applied Contexts

HS 4a

Chair: *Raoul Bell*

- 9:20 **Do you like being annoyed? Positive effects of disruptive advertising on consumer preferences**
Raoul Bell & Axel Buchner
Heinrich-Heine-University Düsseldorf
- 9:40 **Interests affect cognition: Gender differences in recalling contents from action and romantic movies.**
Peter Wühr^a & Sascha Schwarz^b
^aTU Dortmund, ^bUniversity of Wuppertal
- 10:00 **The psychophysics of price perception: Evidence from the lab and from the field**
Benjamin Scheibehenne
University of Geneva
- 10:20 **Impact factors on the evaluation of news articles: An emotion-based account**
Anne-Kathrin Wilbers, Daniel Zimmermann & Kai Kaspar
University of Cologne

Talk session

Embodied Cognition II

HS 4

Chair: *Annelie Rothe-Wulf*

- 9:20 **Physical demands impact cognitive resource allocation: Bodily effort enhances learning and metacognition**
Alexander Skulmowski & Günter Daniel Rey
TU Chemnitz
- 9:40 **Embodied social spaces: Implicit racial bias modulates spatial perspective taking**
Johannes Lohmann^a, Johannes Kurz^a, Tobias Meilinger^b & Martin V. Butz^a
^aUniversity of Tübingen, ^bMax-Planck-Institute for Biological Cybernetics, Tübingen
- 10:00 **Face cueing effects in a personalized anchoring paradigm?**
Felix J. Goetz & Fritz Strack
University of Würzburg
- 10:20 **“Being ahead of time” in different languages: Spatial concepts in temporal cognition across tasks and speech communities**
Annelie Rothe-Wulf^a, Andrea Bender^b, Kristin Sjøfjell^b, Patrizia Maier^a & Sieghard Beller^b
^aUniversity of Freiburg, ^bUniversity of Bergen

Symposium

From Molecules to Mind (Part I)

HS 5

Convenor: *Ulrich Ettinger*

- 9:20 **Serotonin and the brain's rich club: Association between molecular genetic variation on the TPH2 gene and the structural connectome**
Sebastian Markett^a, Marcel de Reus^b, Martin Reuter^a, Christian Montag^c, Bernd Weber^a, Jan-Christoph Schoene-Bake^a & Martijn van den Heuvel^b
 C. v. O. Universität Oldenburg, ^b UMC Utrecht, ^c Ulm University
- 9:40 **Genetic modulation of large-scale brain network connectivity in an episodic memory task**
Martin Fungisai Gerchen & Peter Kirsch
 Central Institute of Mental Health, Mannheim
- 10:00 **Common genetic variation of APOE, personality and brain volume/cortical thickness**
Christian Montag^a, Lukas Kunz^b, Martin Reuter^c & Nikolai Axmacher^b
^a Ulm University, ^b German Center for Neurodegenerative Diseases, ^c University of Bonn
- 10:20 **Targeting the brain through the nose: Effects of an intranasal insulin application on human olfactory perception and memory processes**
Jessica Freiherr^a, Yvonne F. Brünner^a, Christian Benedict^b & Rea Rodriguez-Raecke^a
^a RWTH Aachen University, ^b Uppsala University

Talk session

Reasoning II

HS 6

Chair: *Amory H. Danek*

- 9:20 **The wisdom of simulated crowds in emergency medicine**
Juliane Kämmer^a, Ralf Kurvers^a, Stefan Herzog^a & Wolf Hautz^b
^a Max Planck Institute for Human Development, ^b Inselspital University Hospital, Bern
- 9:40 **Eye tracking gives insight into the processes of diagnostic reasoning**
Anja Klichowicz, Agnes Scholz, Sascha Strehlau & Josef F. Krams
 TU Chemnitz
- 10:00 **Testing the SERS theory and the influence of social value orientation on cooperation in repeated prisoner's dilemmas.**
René Schlegelmilch^a, Andreas Glöckner^b, Sebastian Goerg^c & Ilan Fischer^d
^a Max-Planck-Institute for Research on Collective Goods, ^b FernUniversität in Hagen, ^c Florida State University, ^d University of Haifa
- 10:20 **The joy of discovery: What makes an Aha! moment?**
Amory H. Danek & Jennifer Wiley
 University of Illinois at Chicago

Symposium

Recent Advances in TVA-Based Visual Attention Research (Part I)

- HS 7 Convenors: *Kathrin Finke, Jan Tünnermann & Ingrid Scharlau*
- 9:20 **A theory of visual attention in the temporal domain**
Signe Vangkilde
University of Copenhagen
- 9:40 **Beyond letters and digits: Estimating TVA processing rates for various visual stimulus types with temporal order judgments**
Jan Tünnermann, Alexander Krüger & Ingrid Scharlau
Paderborn University
- 10:00 **The TVA model applied methodologically in the 5-choice serial reaction task, a mouse model of visual attention.**
Ciaran Martin Fitzpatrick, Maitane Caballero-Puntiverio, Thomas Habekost, Claus Bundesen, Jesper Tobias Andreasen, Signe Vangkilde, David Paul Woldbye & Anders Petersen
University of Copenhagen
- 10:20 **Alertness training improves visual processing speed in healthy elderly adults**
Melanie Penning^a, Torsten Schubert^b, Hermann J. Müller^a & Kathrin Finke^a
^a LMU Munich, ^b Humboldt-Universität zu Berlin

Symposium

Human Performance Under Multiple Cognitive Task Requirements: From Basic Mechanisms to Optimized Task Scheduling (Part I)

- HS 9 Convenors: *Edita Poljac, Iring Koch, Hermann Müller & Andrea Kiesel*
- 9:20 **General introduction to multitasking: From basic mechanisms to optimized task scheduling**
Edita Poljac^a, Hermann Müller^b, Iring Koch^c & Andrea Kiesel^a
^a University of Freiburg, ^b University of Gießen, ^c RWTH Aachen University
- 9:40 **Modulation of dual-task performance by transcranial magnetic stimulation of the lateral prefrontal cortex**
Sebastian Kübler^a, Peter Frensch^a, Tilo Strobach^b & Torsten Schubert^a
^a Humboldt-Universität zu Berlin, ^b Hamburg Medical School
- 10:00 **Causes and consequences of errors in dual-tasking**
Marco Steinhauser, Benjamin Ernst, Kevin Ibal & Robert Steinhauser
Catholic University of Eichstätt-Ingolstadt
- 10:20 **Effect monitoring in multitasking**
Wilfried Kunde^a, Robert Wirth^a & Markus Janczyk^b
^a University of Würzburg, ^b University of Tübingen

Talk session

Action Control & Distraction

HS 10

Chair: *Mike Wendt*

9:20 **Distractor processing in the auditory modality: Evidence from the accessory Simon task**

Malte Möller^a, Susanne Mayr^a & Axel Buchner^b

^a University of Passau, ^b Heinrich-Heine-University Düsseldorf

9:40 **Cognitive control of auditory selective attention: Preparation enhances distractor suppression, not target selection**

Sophie Nolden, Camellia Ibrahim & Iring Koch

RWTH Aachen University

10:00 **Warning signals reduce distraction in a target-distractor task: An eyetracking study**

Luke Tudge & Torsten Schubert

Humboldt-Universität zu Berlin

10:20 **Task-specific preparation of attentional set and of task sequence-specific adjustment of response caution**

Mike Wendt^a, Aquiles Luna-Rodriguez^b, Svantje Kähler^b & Thomas Jacobsen^b

^a Medical School Hamburg, ^b Helmut Schmidt University Hamburg

Symposium

Distraction and Driving

HS 12

Convenor: *Anja Katharina Huemer*

9:20 **New exposition data on drivers' secondary task occupation at red lights and in free flow traffic in three German cities**

Mark Vollrath^a, Jana Fricke^a, Carolin Teller^a, Anastasia Likhacheva^b & Anja Katharina Huemer^a

^a TU Braunschweig, ^b Humboldt-Universität zu Berlin

9:40 **A CPM-GOMS-model of lane changes on highways**

David Käthner, Klas Ihme & Meike Jipp

German Aerospace Center (DLR)

10:00 **The effect of cognitive load and predictability on multitasking while driving**

Kristin Lange & Martin Baumann

Ulm University

10:20 **The usefulness of light stimuli to draw car driver's visual attention to the periphery at railway level crossings**

Jan Grippenkov & Birte Thomas

German Aerospace Center (DLR)

Talk session

Action Control in Dual Task Performance

HS 13

Chair: *Tilo Strobach*

9:20 **Higher-order control in dual-tasks: Evidence from task-pair switching**

Patricia Hirsch, Sophie Nolden & Iring Koch

RWTH Aachen University

9:40 **The role of working memory in dual-task performance**

Pauldy Otermans & Andre Szameitat

Brunel University

10:00 **Functional neuroanatomy of multitasking in the dual n-back paradigm**

Tiina Salminen & Torsten Schubert

Humboldt-Universität zu Berlin

10:20 **The benefit of endogenous preparation of task order in dual tasks**

Tilo Strobach^a & Thorsten Schubert^b

^a Medical School Hamburg, ^b Humboldt-Universität zu Berlin

Talk session

Social Cognition & Group Processing

HS 14

Chair: *Frank Krueger*

9:20 **Blind to groups: Understanding group membership consideration in visual information search in intergroup dilemmas**

Rima-Maria Raha^{a & b}, Carsten De Dreu^b & Susann Fiedler^a

^a Max Planck Institute for Research on Collective Goods, ^b University of Amsterdam

9:40 **All of Us - Tapping into the content of the superordinate human ingroup**

Pia Lamberty & Felicitas Flade

University of Cologne

10:00 **Let's talk about a common fear: Threat towards a superordinate inclusive category reduces racial categorization in the "Who said what"-paradigm**

Felicitas Flade^a & Roland Imhoff^b

^a University of Cologne, ^b JGU Mainz

10:20 **Mortality salience attenuates the in-group bias of costly punishment: A functional MRI investigation**

Frank Krueger^a, Chunliang Feng^b, Bobby Azarian, Tengxiang Tian, Lili Wang, Xue Feng^b & Yue-Jia Luo

^a George Mason University, ^b Beijing Normal University

Posters III, Wednesday, 10:50-11:50 (2nd Floor Hallway)

Action Control III

- W-1 **Control over timing of utility-based response activation**
*Kerstin Jost^{a & c}, Mike Wendt^b, Aquiles Luna-Rodriguez^c, Andreas Löw^c
& Thomas Jacobsen^c*
^a RWTH Aachen University, ^b Medical School Hamburg, ^c Helmut-Schmidt-University/University of the Federal Armed Forces Hamburg
- W-2 **Multitasking and healthy aging: Differential age effects on dual-tasking and task switching**
Robert Langner^a, Anna Placht^b, Rachel N. Pläschke^a & Simon B. Eickhoff^a
^a Heinrich Heine University Düsseldorf, ^b Research Centre Jülich
- W-3 **Moderate money, more binding: Attended distractors are not equally bound into event file**
Nadine Nett & Robert Gaschler
FernUniversität in Hagen
- W-4 **Does stimulus-hand proximity affect multitasking performance?**
Jennifer Pomp^a, Rico Fischer^b & Roman Liepelt^a
^a University of Münster, ^b University of Greifswald
- W-5 **The influence of sequential reward expectancies on cognitive flexibility and stability**
Lisa Raith, Kerstin Fröber & Gesine Dreisbach
University of Regensburg
- W-6 **The interplay of global and local features of a Simon-like task**
Julia Seibold^a, Victor Mittelstädt^b & Jochen Müsseler^a
^a RWTH Aachen University, ^b Albert-Ludwigs-Universität Freiburg
- W-7 **Distractor familiarity in picture-word interference paradigm: An ERP study**
Mikhail Sopov, Mariia Ostapenko & Alexey Starodubtsev
Saint Petersburg State University
- W-8 **The neurophysiology of the interference of grasping movements in functionally separate working memory processes**
Rumeysa Gunduz, Thomas Schack & Dirk Koester
Bielefeld University

Attention III

- W-9 **Excess attention assessed by masked priming**
Maximilian Kiebs & Thorsten Albrecht
University of Goettingen

W-10 Errors in target identification cause adjustment in target selection processes in a visual search task

Robert Steinhauser & Marco Steinhauser

Catholic University of Eichstätt-Ingolstadt

W-11 The cost of awareness: Attentional blink or awareness blink?

Eyal Alef Ophir^{a & b} & Dominique Lamy^a

^aTel Aviv University, ^b Charite Berlin

W-12 Overt and covert monitoring of non-contiguous locations

Isabel Dombrowe

Universität Magdeburg

W-13 The relationship between Inhibition of Saccadic Return and short-term memory

Margit Höfler^a, Iain D. Gilchrist^b, Anja Ischebeck^a & Christof Körner^a

^a University of Graz, ^b University of Bristol

W-14 Costly search benefits from repetition

Christof Körner^a, Margit Höfler^a & Iain D. Gilchrist^b

^a University of Graz, ^b University of Bristol

Perception III

W-15 Simple reaction time and size-distance integration in virtual 3D space

Thorsten Plewan & Gerhard Rinkenauer

Leibniz Research Centre for Working Environment and Human Factors

W-16 Individual differences in combining depth information from binocular disparity and familiar size when reaching towards virtual objects

Rebekka S. Schubert, Erik Steindecker von Teschenhausen, Mathias Müller, Sebastian Pannasch & Jens R. Helmert

TU Dresden

W-17 Perception of Light Source Distance from Shading Patterns

Heiko H. Schütt^a, Franziska Baier^b & Roland W. Fleming^c

^a University of Tübingen, ^b Goethe University Frankfurt, ^c Gießen University

W-18 Recognition of spatial information from topographic maps - An eyetracking study using heat-map analyses

Anne-Kathrin Bestgen, Dennis Edler, Frank Dickmann & Lars Kuchinke

Ruhr-Universität Bochum

W-19 A precise quantitative model of salience: The Theory of Visual Attention

Alexander Krüger, Jan Tünnermann & Ingrid Scharlau

Paderborn University

W-20 Introspection reloaded: Dimensions of subjective experience of masked visual stimuli

Nora Koster, Uwe Mattler & Thorsten Albrecht

Georg-August-Universität

W-21 Pattern matters in interior space perception

Christoph von Castell, Heiko Hecht & Daniel Oberfeld

JGU Mainz

W-22 Individual differences and the influence of second-order configuration on familiar face recognition: A priming study

Marlena L. Itz, Stefan R. Schweinberger & Jürgen M. Kaufmann

Friedrich Schiller University Jena

Memory & Working Memory

W-23 Systematic distortions in visual working memory

Stefan Czoschke, Victoria Anschütz, Benjamin Rahm, Benjamin Peters, Jochen Kaiser & Christoph Bledowski

Goethe University Frankfurt

W-24 Binding in visual short term memory? - A multinomial modeling approach

Lena Steindorf^a, Arndt Bröder^b & Martin Brandt^b

^aHeidelberg University, ^bUniversity of Mannheim

W-25 Functional connectivity among visual and parietal cortex predicts the precision and variability of visual working memory

Elena Galeano Weber, Tim Hahn, Kirsten Hilger & Christian J. Fiebach

Goethe University Frankfurt

W-26 Switching within working memory: An event-related brain potential study

Stefan Berti

Johannes Gutenberg University

Language III

W-27 Decoding silence: Brain activity during the pauses before highly predictable words contains information about semantic predictions

Edvard Heikel, Jona Sassenhagen & Christian J. Fiebach

Goethe University Frankfurt

W-28 On the lexical representation and processing of complex words: Grammatical-gender effects in noun-noun compound production

Jörg D. Jescheniak^a, Andreas Mädebach^a & Antje Lorenz^b

^aLeipzig University, ^bHumboldt University Berlin

W-29 Initial upper case letters in German: What makes it difficult?

Stefanie Jung, Katharina Brandelik & Jürgen Heller

University of Tübingen

W-30 Linguistic context effects on lexical activation patterns during sequential picture naming

Franziska Kurtz^a, Andreas Mädebach^a, Herbert Schriefers^b & Jörg D. Jescheniak^a

^aLeipzig University, ^bRadboud University

W-31 Priming effects between linguistic and numerical meaning referring to vertical space

Martin Lachmair, Susana Ruiz Fernández & Peter Gerjets

Leibniz-Institut für Wissensmedien

Emotion

W-32 Modulation of cognitive flexibility by affective cues: The challenge of investigating mild positive affect

Ulrike Schulz, Hannes Ruge, Annette Bolte & Thomas Goschke

TU Dresden

W-33 Attentional bias triggers disgust-specific habituation problems in subclinical contamination-based obsessive-compulsive disorder

Jakob Fink^a, Andreas Widmann^a, Konstantin Sering^b & Cornelia Exner^a

^a University of Leipzig, ^b University of Tübingen

W-34 Emotional facial mimicry in adolescents

Tina In-Albon & Felicitas Forrer

Universität Koblenz-Landau

W-35 The Cyberball paradigm considering different settings

Tina In-Albon & Simone Pfeiffer

Universität Koblenz-Landau

W-36 Positive emotions or broad attention - Which is central for broadening cognition? The effects of broadened visual attention on the thought-action repertoire

Daniel Jäger & Jascha Rüsseler

University of Bamberg

W-37 Investigating the role of the mirror neuron system for imitation by means of functional magnetic resonance imaging

Stephanie Schmidt, Peter Kirsch, Joachim Hass & Daniela Mier

Central Institute of Mental Health, Mannheim

W-38 Movement speed moderates valence evaluation of pictures in the horizontal dimension.

Sergio Cervera Torres, Susana Ruiz Fernández, Martin Lachmair & Peter Gerjets

Leibniz-Institut für Wissensmedien

Embodiment

W-39 Success and failure in querying world knowledge affects subsequent throwing in game of darts

Kathrin Gajda, Julian Voigt & Jochen Müsseler

RWTH Aachen University

- W-40 **Emotions and words: An embodied approach to the representation of abstract words**
Elisabeth Volke
Universität Potsdam
- W-41 **The influence of sentential context on embodied meaning representations: Investigations by means of an anagram-solving task**
Eduard Berndt, Till Pachalli & Barbara Kaup
University of Tübingen
- W-42 **Does a bird chirp higher than he can fly? Spatial representation of pitch height during language comprehension**
Sibylla Wolter, Elke Kümmer, Michael Radloff, Carolin Dudschig & Barbara Kaup
University of Tübingen
- W-43 **Processing of cognitive tasks and the impact of embodied information**
Alina Vennekötter^a & Kai Kaspar^b
^a University of Osnabrück, ^b University of Cologne
- W-44 **The proximity of pain: Subjective pain intensity is higher when the stimulated limb is nearer to the body**
Boroka Gacs & Árpád Csathó
University of Pécs
- W-45 **Can walking forward and backward change the answer to ambiguous temporal and spatial questions?**
Jonna Löffler^a, Markus Raab^a & Rouwen Canal-Bruland^b
^a German Sport University Cologne, ^b VU Amsterdam
- W-46 **The absolute value of numbers on the mental number line**
Elena Sixtus & Karsten Werner
University of Potsdam
- W-47 **Numbers and space: Matters of magnitude**
Steffen Theobald^a, Tina Weis^a, Andrey Nicolaev^b, Cees van Leeuwen^b & Thomas Lachmann^a
^a University of Kaiserslautern, ^b KU Leuven

Developmental Psychology II

- W-48 **A new approach to investigate the development of intuitive rationality in pre-schoolers and adults**
Ariane Loos, Diana Marschall, David Buttelmann, Levin Bittner & Jelena Hoffmann
Universität Erfurt
- W-49 **Influence of different emotion inductions on mathematical performance in school children**
Sarah Lukas, Julia Halder & Joana Kilchert
University of Education Weingarten

- W-50 **Altering infants' looking behavior by a gaze contingent reward**
Christine Michel, Sabina Pauen & Stefanie Hoehl
Heidelberg University
- W-51 **Verbal facilitation effect instead of verbal overshadowing in young children**
Claudia Wille, Franziska Völker, Jessica Kühnel & Mirjam Ebersbach
University of Kassel
- W-52 **Quality of mother-child-interaction modulates electrophysiological correlates of an executive function task in preschool children**
Henriette Schneider-Hassloff, Annabel Zwönitzer, Anne Katrin Künster, Carmen Mayer, Ute Ziegenhain & Markus Kiefer
University Hospital Ulm

Learning II

- W-53 **Smaller scaling of error feedback facilitates automatization in motor skill learning**
Daniel Krause & Christina Zobe
University of Paderborn
- W-54 **Long-term procedural learning performance is unaffected by post-learning arousal treatment: evidence from serial reaction time task**
Mike F. Imhof, Mirjam Fremgen & Jascha Rüsseler
University of Bamberg
- W-55 **Does semantic information facilitate grammar learning?**
Katharina Braungart, Birgit Öttl, Detmar Meurers & Barbara Kaup
University of Tübingen
- W-56 **Effects of top-down control on feedback processing: How feedback validity influences feedback-locked event-related potentials**
Franz Wurm, Benjamin Ernst, Martin E. Maier & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt
- W-57 **Neural correlates of intentional and non-intentional voice learning**
Denise Müller, Romi Zäske & Stefan R. Schweinberger
Friedrich Schiller University Jena
- W-58 **Dissociative effects of feedback-valence on automaticity and precision in motor learning**
Christina Zobe^a, Daniel Krause^a & Klaus Blischke^b
^a University of Paderborn, ^b Universität des Saarlandes

Applied Psychology II

- W-59 **Positive illusions and self-compassion: Predictors of better sleep quality and less nightmares?**
Lea Strack, Franziska Kreisel, Janin Rössel & Dagmar Stahlberg
University of Mannheim

- W-60 **Impact of cognitive and sensory information processing during reconsolidation of fear-memory in humans**
Janine Thome, Stefanie Lis, Georgia Koppe, Christian Schmahl & Martin Bohus
Central Institute of Mental Health, Mannheim
- W-61 **Users' handedness and performance when controlling integrated input devices - implications for automotive HMI**
Michael Oehl^a, Julia Stein^b & Christine Sutter^b
^a Leuphana University Lüneburg, ^b RWTH Aachen University
- W-62 **Good job html developers! Perfect foveal and para-foveal perception of hyperlinks**
Benjamin Gagl
Goethe University Frankfurt
- W-63 **The impact of incidental visual cues on the perception of written texts**
Kai Kaspar
University of Cologne
- W-64 **Spatial compatibility effects in human-machine interaction**
Christine Sutter & Sabrina Jonen
RWTH Aachen University

Psychophysiology

- W-65 **Temporal dynamics in EEG theta and alpha activity in two dynamic Chinese health qigong techniques**
Diana Henz & Wolfgang I. Schöllhorn
JGU Mainz
- W-66 **Effects of NeuroBike cycling on EEG brain activity and mathematical performance: an intervention study**
Alexander John, Diana Henz & Wolfgang I. Schöllhorn
JGU Mainz
- W-67 **Acute effects of training on a NeuroBike on EEG brain activity and attentional performance**
Christian Merz, Diana Henz & Wolfgang I. Schöllhorn
JGU Mainz
- W-68 **Time on task and pause effects on theta and alpha power**
Stefan Arnau & Edmund Wascher
Leibniz Research Centre for Working Environment and Human Factors

Talks & Symposia X, Wednesday, 14:00-15:20

Symposium

Uncovering the Dynamics of Cognitive Processes Using Mouse-Tracking: Methodology and Applications (Part II)

HS UGX60

Convenors: *Pascal J. Kieslich & Stefan Scherbaum*

14:00 **A bird in the hand isn't good for long: Short-termed choice impulses in intertemporal decisions**

Stefan Scherbaum, Simon Frisch & Maja Dshemuchadse

TU Dresden

14:20 **Unraveling the sub-processes of selective attention: Insights from dynamic modeling and continuous behavior**

Simon Frisch, Maja Dshemuchadse, Max Görner, Thomas Goschke & Stefan Scherbaum

TU Dresden

14:40 **Measuring the (dis-)continuous mind**

Dirk Wulff^a, Jonas Haslbeck^b & Michael Schulte-Mecklenbeck^c

^a Max Planck Institut for Human Development, ^b University of Amsterdam, ^c University of Bern

15:00 **Discussion**

Joseph Johnson

Miami University

Talk session

Problem Solving

HS 4a

Chair: *Alexander Werner*

14:00 **Solving stock flow problems either in a conventional way or using a general problem solving strategy**

Vivien Röder

TU Chemnitz

14:20 **Is there a playful improvement of system thinking? - The impact of serious gaming on understanding stock flow systems**

Marcus Schwarz & Peter Sedlmeier

TU Chemnitz

14:40 **The effect of motivation on evaluating creative ideas**

Judit Petervari^a, Joydeep Bhattacharya^b & Magda Osman^a

^a Queen Mary University of London, ^b Goldsmiths, University of London

15:00 **Do episodic examples facilitate mapping and transfer in analogical problem solving?**

Alexander Werner^a & Ute Schmid^b

^a Hochschule für Technik und Wirtschaft Dresden, ^b University of Bamberg

Talk session

Clinical Psychology II

HS 4

Chair: *Christiane Schwieren*

14:00 **The perils of aiming too high: Discrepancy between goals and performance in individuals with depressive symptoms**

Christiane Schwieren^a, Elisabeth Arens^b, Peter Zeier^a, Hanna Huisgen^a & Sven Barnow^a

^a Heidelberg University, ^b Goethe University Frankfurt

14:20 **Comparing two different versions of the modified card sorting test: Do people with specific internet addiction symptoms indicate problems in cognitive functioning?**

Benjamin Stodt, Elisa Wegmann & Matthias Brand

University of Duisburg-Essen

14:40 **Generalization of conditioned fear response in individuals with and without PTSD related to childhood and adolescent interpersonal violence**

Janine Thome^a, Sophie Hauschild^a, Lisa Liebke^a, Sophie Rausch^a, Dirk Hermans^b, Martin Bohus^a & Stefanie Lis^a

^a Central Institute of Mental Health, Mannheim, ^b KU Leuven

15:00 **Eye tracking of attention in patients with obsessive-compulsive disorder**

Barbara Cludius, Frederike Wenzlaff, Peer Briken & Steffen Moritz

University Medical Center Hamburg- Eppendorf

Symposium

From Molecules to Mind (Part II)

HS 5

Convenor: *Ulrich Ettinger*

14:00 **Food for your mind? The effect of tyrosine on the performance in a Stroop task and an attention network test**

Katja Kerstin Schneider & Christian Frings

Trier University

14:20 **Variations in cholinergic and dopaminergic genes influence nicotine effects on attention processes**

Stefan Ahrens^a, Oliver Behler^a, Anja Gieseler^a, Sarah Querbach^a, Carsten Giessin^a, Sebastian Markt^b, Thomas Brecke^a, Martin Reuter^b & Christiane Thiel^a

^a C. v. O. Universität Oldenburg, ^b Universität Bonn

- 14:40 **The dopamine transporter: From molecular imaging and pharmacology to cognition and clinical symptoms**

Ulrich Ettinger

University of Bonn

- 15:00 **From molecules to minds: Discussion, conclusion, outlooks**

Sebastian Markett & Ulrich Ettinger

University of Bonn

Talk session

Attention & Psychophysiology

HS 6

Chair: *Kristina Küper*

- 14:00 **Is error monitoring automatic? - Working memory load impairs the evaluation of error significance**

Martin E. Maier & Marco Steinhauser

Catholic University of Eichstätt-Ingolstadt

- 14:20 **The time course of retro-cue induced working memory updating: Behavioral and electrophysiological evidence**

Daniel Schneider, Anna Barth, Christine Mertes & Edmund Wascher

Leibniz Research Centre for Working Environment and Human Factors

- 14:40 **Brain oscillatory signatures of voluntary resource allocation in working memory**

Barbara Berger, Tamas Minarik & Paul Sauseng

LMU Munich

- 15:00 **The effects of attentional focus manipulations and distracting information at encoding on age-related deficits in recognition memory: An ERP study**

Kristina Küper, Christine Mertes & Daniel Schneider

Leibniz Research Centre for Working Environment and Human Factors

Symposium

Recent Advances in TVA-Based Visual Attention Research (Part II)

HS 7

Convenors: *Kathrin Finke, Jan Tünnermann & Ingrid Scharlau*

- 14:00 **Video game experience and its influence on visual attention parameters**

Torsten Schubert^a, Kathrin Finke^b, Herrmann J. Müller^b, Steffen Kluckow^c & Tilo Strobach^d

^a Humboldt-University, ^b LMU Munich, ^c Friedrich Schiller University Jena, ^d Medical School Hamburg

- 14:20 **Attentional changes in mild cognitive impairment**

Kathrin Finke, Adrian Ruiz-Rizzo, Christian Sorg & Peter Bublak

LMU Munich

14:40 **Attentional mechanisms of simultanagnosia in patients with posterior cortical atrophy**

Julia Neitzel^a, Marion Ortner^b, Peter Bublak^c, Christoph Preul^c, Petra Redel^a, Christian Sorg^b & Kathrin Finke^a

^aLMU Munich, ^bKlinikum rechts der Isar TU München, ^cJena University Hospital

15: 00 **Parametric assessment of cerebral information processing capacity in multiple sclerosis and its relations to cognitive fatigue**

Steffen Kluckow, Petra Redel, Jan-Gerrit Rehbein, Matthias Schwab, Otto W. Witte & Peter Bublak

Jena University Hospital

Symposium

Human Performance Under Multiple Cognitive Task Requirements: From Basic Mechanisms to Optimized Task Scheduling (Part II)

HS 9

Convenors: *Edita Poljac, Iring Koch, Hermann Müller & Andrea Kiesel*

14: 00 **Measuring the control effort induced by the instruction to stay stock-still**

Christine Langhanns & Hermann Müller

Justus-Liebig University Gießen

14:20 **Effects of modality mappings within working memory on postural control, associated neural correlates, and training-induced modulation of dual-task performance in old age**

Stephan Heinzel, Christine Stelzel, Gesche Schauenburg, Marius Dettmer, Urs Granacher & Michael Rapp

University of Potsdam

14:40 **Discussion**

Edita Poljac

University of Freiburg

Talk session

Crossmodal Action Control

HS 10

Chair: *Iring Koch*

14:00 **Sticky bias in crossmodal attention shifting: Perceptual learning of sequential modality predictability reveals crossmodal attentional inertia**

Iring Koch^a, Iris Blotenberg^{a & b}, Viktoria Fedosejew^a & Denise N. Stephan^a

^aRWTH Aachen University, ^bPhilipps-University Marburg

14:20 **Crossmodal negative priming**

Ann-Katrin Wesslein^a, Charles Spence^b & Christian Frings^a

^aTrier University, ^bUniversity of Oxford

14:40 **Modality matters - The tale of amodal cognitive control processes**

Denise Stephan & Iring Koch

RWTH Aachen University

15:00 **Cognitive control and modality dominance relations in spatial and temporal tasks – Empirical data and a formal model**

Magali Kreutzfeldt^a, James A. Grange^b, Denise N. Stephan^a, Klaus Willmes^a & Iring Koch^a

^a RWTH Aachen University, ^b Keele University

Talk session

Traffic Psychology II

HS 12

Chair: *Maria Freese*

14:00 **Using serious games as a research instrument in aviation and railway traffic**

Maria Freese & Jan Grippenkov

German Aerospace Center

14:20 **Comfort inside an aircraft – A mixture of methods**

Julia Bastian

Leuphana University of Lüneburg

14:40 **Multilevel modelling of driving behaviour illustrated with driving simulator data**

Antje Spiertz^a, Veronika Lerche^a & Eva-Maria Skottke^b

^a Heidelberg University, ^b HMKW Campus Cologne

Talk session

Action Control VI

HS 13

Chair: *Alexandra Lezkan*

14:00 **Doing is for feeling**

Katarina Blask, Christian Frings & Eva Walther

Trier University

14:20 **The influence of short action-effect interval durations on intentional binding.**

Miriam Ruess, Roland Thomaschke & Andrea Kiesel

University of Freiburg

14:40 **The spatial (mis-)interpretation of pointing gestures**

Oliver Herbolt & Wilfried Kunde

Julius-Maximilians-Universität Würzburg

15:00 **Signals influencing indentation force in softness exploration**

Alexandra Lezkan & Knut Drewing

Gießen University

Symposium

Moral Courage

HS 14

Convenors: *Daniela Niesta Kayser, Anna Baumert & Anna Halmbauer*

- 14:00 **Why do people's intentions do not reflect their actual inclination to act against norm violations?**

Anna Halmburger, Anna Baumert & Henriette Stürmer

University of Koblenz-Landau

- 14:20 **Intervention in dangerous situations: The role of perceived intervention risk when injustice sensitivity toward others does not predict moral courage**

Daniela Niesta Kayser & Fabian Kirsch

University of Potsdam

- 14:40 **Justice sensitivity predicts reactions to injustice elicited by other's moral hypocrisy**

Thomas Schlösser, Olga Stavorva & Daniel Ehlebracht

University of Cologne

- 15:00 **Fostering bystander norm interventions as a measure for the prevention of bullying: Results from a peer-based intervention program**

Jan Pfetsch

TU Berlin

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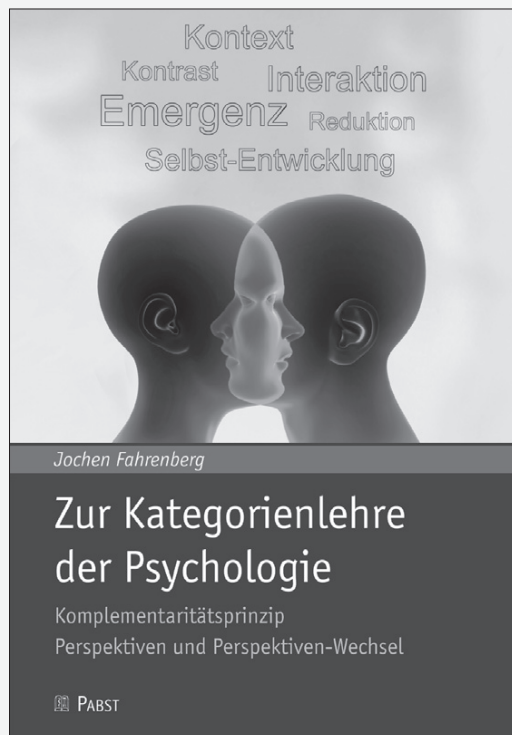
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Jochen Fahrenberg

Zur Kategorienlehre der Psychologie

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576 Seiten, Hardcover,
ISBN 978-3-89967-891-8, Preis: 50,- €



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In der wissenschaftlichen Psychologie entstand durch Wundt der Anfang einer speziellen Kategorienlehre, die jedoch kaum beachtet oder direkt weitergeführt wurde. Andere Psychologen entwickelten eine Vielfalt von psychologischen Fachbegriffen, doch kam es nicht, wie in der Biologie, zu einer speziellen Kategorienlehre.

Kontext, Kontrast, Emergenz, Reduktion, Interaktion und Selbstentwicklung sind herausragende Relationsbegriffe (Kategorien) und Erkenntnisprinzipien der Psychologie im Sinne Wundts. Sie haben direkte Konsequenzen für die Methodenlehre und die Forschungsstrategien und sind außerdem zur Beurteilung von Reduktionismus und Kategorienfehlern wichtig.

Komplementarität und Perspektivität sind als übergeordnete Meta-Relationen hervorzuheben. Es sind Denkformen, mit deren Hilfe kategorial verschiedene Bezugssysteme bzw. grundverschiedene Standpunkte kombiniert oder vereinheitlicht werden.

Die einander ausschließenden philosophischen Sichtweisen der Ersten Person – Dritten Person und das Dilemma von Willensfreiheit – Determinismus können als Komplementärverhältnisse interpretiert werden. Davon zu unterscheiden sind die koordinierten Perspektiven, wenn zwei Bezugssysteme in wechselseitig ergänzender Weise verbunden werden: bei der Untersuchung psychophysischer Prozesse (Bewusstsein-Gehirn-Problem) oder in einer kombinierten Forschungsstrategie (Interpretatives und Experimentell-metrisches Paradigma; qualitative und quantitative Methoden).

Die Bestimmung von koordinierten Perspektiven und der Perspektiven-Wechsel bilden fundamentale Prinzipien der Wissenschaftstheorie und Methodologie sowie der Ausbildung gerade in der Psychologie.