

**Satellite Conference:
Mind and Brain Dynamics H01**

- 9:00 Why Readers Spend Less Time at Unfavorable Landing Positions – *Gary Feng*
- 9:20 Semantic codes are obtained from parafoveal words during reading – *Sven Hohenstein*
- 9:40 Investigating mislocated fixations in the N+2-boundary paradigm – *Sarah Risse*
- 10:00 Character and word processing of reading Chinese in parafovea – *Jie-Li Tsai*
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- 10:20
— **Coffee Break**
- 10:40 The perceptual span and parafoveal preview effect of skilled and less skilled readers - an eye movement study – *Guoli Yan*
- 11:00 Dynamic modeling of Chinese word segmentation - a parsimonious implementation for SWIFT – *Eike R. Richter*
- 11:20 Skipping of “the” is not fully automatic – *Bernhard Angele*
- 11:40 Display change detection during reading: d' and ROC analyses – *Tim J. Slattery*
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- 12:00
— **Lunch**
- 13:00
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**Satellite Workshop:
Kognitive Ethnologie S14**

- 9:00 Begrüßung und Eröffnung:
Die Rückkehr der Kognitiven Ethnologie in die Kognitionswissenschaften – *Andrea Bender*
- 9:15 Exzellenzcluster
«Languages of Emotions» – *Birgitt Röttger-Rössler & Doktoranden*
- 9:45 Theory of mind im Kulturvergleich:
Bosmun (PNG) und Tonga (Polynesien) – *Anita von Poser & Svenja Völkel*
- 10:15 Die kulturelle Konstitution kausaler Kognition – *Andrea Bender & Sieghard Beller*
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- 10:45
— **Coffee Break**
- 11:15 Intuitives physikalisches Wissen über Licht und Wärme bei den yukatekischen Maya – *Catherine Letcher Lazo*
- 11:45 Mobiles eye-tracking im Museum:
Ergebnisse einer Besucherstudie am Linden-Museum Stuttgart – *Kira Eghbal-Azar*
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- 12:15
— **Discussion**
- 12:45
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- 12:45
— **Refreshments and Discussion**
- 14:15
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- ...
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Doctoral Symposium S13

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- Presentations**
- 13:00 The Influence of Individual Interest on Eye Movements in Reading – *Anja Sperlich*
- 13:15 Neuroscience and the Mind-Body-Problem – *Beate Krickel*
- 13:30 The acquisition of constructions in the German post-field – *Daniela Elsner*
- 13:45 Automatic Behavior via Phonetic Priming – *Christine Flaßbeck*
- 14:00 A linguistic analysis of think aloud protocols recorded during object assembly – *Linn Gralla*
- 14:15 The reality of categorical rules in language – *Mikko Tapio Määttä*
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- 14:30
— **Coffee Break**
- 15:00

**Satellite Conference:
Mind and Brain Dynamics H01**

- 13:00 An integrated model of fixational eye movements and microsaccades – *Ralf Engbert*
- 13:20 Neural Encoding with Jittering Eyes – *Michele Rucci*
- 13:40 Mathematical model of microsaccadic shapes and sequences – *Mario Bettenbühl*
- 14:00 Fixational eye movements are influenced by small postural movements – *Konstantin Mergenthaler*
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- 14:20
— **Coffee Break**
- 14:40
- 14:40 Eye movement and EEG responses during serial and free viewing of emotional images – *Jaana Simola*
- 15:00 Co-registration of EEG and eye movements: Evidence for partial independence of oculomotor control and word recognition in reading – *Michael Dambacher*
- 15:20 **N.N.**
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- 15:40 **Break**
- 15:50 Brain-electric correlates of the preview benefit in left-to-right reading – *Olaf Dimigen*
- 16:10 Fixation-related brain potentials question eye-tracking evidence on parafoveal preprocessing – *Florian Hutzler*
- 16:30 ERP parafoveal effects during sentence reading using rapid serial visual presentation with flankers – *Horacio Barber*

**Satellite Workshop:
Kognitive Ethnologie S14**

- 14:45 Methoden – warum? – *Sieghard Beller*
- 14:30 Pile-Sorting und Cluster-Analysen – *Annelie Rothe & Doktoranden*
- 15:30 Genealogische Methode – *Bettina Beer*
- 16:30 Mobiles eye-tracking im Feld: Anwendung, Reaktionen und potentielle Probleme – *Kira Eghbal-Azar*
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- 17:30 **Discussion**

Doctoral Symposium S13
Poster Session

- The Dice are Cast: The Effects of Intended versus Actual Contribution on Responsibility Attributions – *Tobias Gerstenberg*
- Response, resonance, relationship - Reciprocity as structural characteristic of a second-person-perspective – *Philipp Bode*
- 15:00 —
- 16:00 Reading disjunctions in legal contexts – *Martin Aher*
- Investigating Simon effect by words with spatial meaning in eye movement – *Shah Khalid*
- Metacognition of web users: what attracts users' visual attention and how much do they know about this? – *Pacheco Telma*
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- Presentations**
- 16:00 Interfacing a Conversational Agent with Contextual Knowledge Drawn from Wikipedia – *Alexa Breuing*
- 16:15 Using Top-Down Information in Semantic Mapping – *Martin Günther*
- 16:30 Seeing structure in the point cloud – first attempts at 3D symbols for mobile robots – *Jochen Sprickerhof*
- 16:45 A Person Memory for an Artificial Interaction Partner – *Nikita Mattar*
- 17:00 Towards Cognitively Adequate Tactile Maps – *Christian Graf*
- 17:15 May I guide you? – Context-Aware Cooperative Embodied Systems in Virtual Environments – *Felix Rabe*

08:30 — 09:30 **Registration** S19

09:30 — 10:00 **Opening Remarks** H05
Thomas Grünwald (Vice President, UP), Heike Wiese (Conference Organizer), Markus Knauff (GK)

10:00 — 11:00 **Plenary Address** H05
 Who Are You? The Self as a Complex System
Paul Thagard, University of Waterloo, Canada
 Chair: *Michael Pauen*

11:00 — 11:30 **Refreshment Break** Foyer

11:30 — 12:30 **Parallel Sessions**

Invited Symposium: Decisions: Perspectives from Philosophy, Neuropsychology and Cognitive Science H04 <i>Chairs: Michael Pauen, Ralf Stoecker</i>	Symposium: Interdisciplinary Perspectives on Memory H03 <i>Chair: Markus Werning</i>	Mathematical Cognition H02 <i>Chair: Heike Wiese</i>	Satellite Conference: Mind and Brain Dynamics H01 <i>Chair: Reinhold Kliegl</i>	Cognition and Neurobiology S13 <i>Chair: Marianne Vater</i>	Language and Sentence Processing S14 <i>Chair: Markus Bader (requested/angefragt)</i>	Emotion and Cognition S15 <i>Chair: Silke Anders</i>
Unconscious Neural Determinants of "Free" Will <i>John-Dylan Haynes</i>	Synaptic Tagging, Evaluation of Memories and the Distal Reward Problem <i>Christian Leibold</i>	The development of counting and numerical representations <i>Stefan Schneider</i>	Parafoveal predictability <i>Alan Kennedy</i>	Food deprivation sensitizes pain perception <i>Olga Pollatos</i>	A model of agreement processing in sentence comprehension <i>Jana Häussler</i>	Flow of affective information between communicating brains <i>Silke Anders</i>
Decision Making and the Concept of Willpower <i>Hendrik Walter</i>		Resource Allocation in Mathematical Cognition: Evidence from Pupillometry and fMRI. <i>Steffen Landgraf</i>	The Perceptual Span and Preview Benefit in Reading <i>Keith Rayner</i>	Impairment of muscarinic acetylcholine receptor signaling in human epileptogenic neocortex: implications for cognitive deficits? <i>Rudolf Deisz</i>	Predicting coreference: the role of alternative constructions <i>Peter Baumann</i>	Effects of cultural differences in emotion recognition on visual attention <i>Sven Spöde, Corinna Zennig</i>
		Conceptual blending of fractions and rational numbers in mathematical discovery <i>Markus Guhe</i>		Motifs in communicative pulsed vocalizations of Black-Sea bottlenose dolphins <i>Sebastian Huebner</i>	Weak referentiality: Linguistic evidence for cognitive constraints <i>Peter Bosch</i>	Perceiving emotions from bodies and voices <i>Sarah Jessen</i>

12:30 — 13:30 **Lunch** Canteen (Mensa)

13:30 — 14:30 **Parallel Sessions**

Invited Symposium: Decisions: Perspectives from Philosophy, Neuropsychology and Cognitive Science H04 <i>Chairs: Michael Pauen, Ralf Stoecker</i>	Symposium: Interdisciplinary Perspectives on Memory H03 <i>Chair: Markus Werning</i>	Symposium: Visual Attention and Gestures in Language Processing H02 <i>Chair: Pia Knoeferle</i>	Satellite Conference: Mind and Brain Dynamics H01 <i>Chair: Reinhold Kliegl</i>	Communication and Interaction S13 <i>Chair: Wendelin Reich</i>	Language and the Conceptual System S14 <i>Chair: Carola Eschenbach</i>	Emotion and Cognition S15 <i>Chair: Olga Pollatos</i>
What is Abnormal in Decision Making of Individuals with Obsessive-compulsive Disorder? <i>Norbert Kathmann</i>	A Mechanism for the Formation of Memories in the Hippocampus? <i>Sen Cheng</i>	Sentence production across languages: From visual attention to structural selection <i>Andryi Myachykov</i>	Multivariate Analyses of Distributed Cognitive Processing in Reading Fixations <i>Reinhold Kliegl</i>	The context of basic communicative acts (BCAs) <i>Wendelin Reich</i>	Conceptual Structure as Mediator in a Computational Model for Vision-Language Interaction <i>Patrick McCrae</i>	Appraisal of Domain Specific Stimuli and its outcomes depending on the Emotion Regulation Strategy used <i>Eleanor Victoria Horn</i>
Decisions under Conflict: Control Dilemmas and the Dynamics of Action Selection <i>Thomas Goschke</i>	Persistent Firing and Memory in the Medial Temporal Lobe <i>Motoharu Yoshida</i>	Speaker Gaze Reveals Referential Intentions: Evidence from Human-Robot and Human-Agent Interaction <i>Maria Staudte</i>	The spatial representation of words during reading <i>Albrecht Inhoff</i>	On the production and perception of iconic gestures: Insights from computational modeling and empirical studies <i>Kirsten Bergmann</i>	Semantic richness modulates early word processing within leftlateralized visual brain areas and enhances repetition priming <i>Milena Rabovsky</i>	The near miss effect: Counterfactual thinking or disconfirmation of expectancies? <i>Martin Junge</i>
		Common ground and the coupling of eye movements during dialogue <i>Daniel Richardson</i>	A cross-language evaluation of the SWIFT model of eye-movement control in reading <i>Ralf Engbert</i>	How does the level of interaction mediate the benefit of gaze transfer in a cooperative puzzle task? <i>Romy Müller</i>	Similarity-based classification in natural language <i>Carla Umbach</i>	Awareness of emotions: Movement behaviour as indicator of implicit emotional processes in participants with and without alexithymia <i>Hedda Lausberg</i>

14:30 — 15:30

Parallel Sessions

**Symposium:
Interdisciplinary
Perspectives on
Memory**
H03
Chair:
Markus Werning

**Symposium:
Visual Attention and
Gestures in
Language
Processing**
H02
Chair: Pia Knoeferle

**Dialogues and
Alignment**
S13
Chair: Gregory J Mills

**Language and the
Conceptual System**
S14
Chair:
Carola Eschenbach

**Emotion and
Cognition**
S15
Chair: Olga Pollatos

Uncovering the Neural
Substrates of Memory
Function: A Translational
Approach
Magdalena M. Sauvage

Using speaker gaze for
language comprehension
Helene Kreysa

Co-ordinating intentions
in dialogue: inter-
leaving actions and ut-
terances
Gregory J Mills

Different Kinds of
Pragmatic Factors
Explain Failures of
Default-to-Stereotype
Inferences
Matthias Unterhuber

Emotional stimulation
alters perceived odor
intensity and modu-
lates activity in neural
networks underlying ol-
factory perception
Olga Pollatos

Symbolic or Ontologi-
cal Ascent in the Cor-
tical Hierarchy of the
Ventral Visual Stream?
Markus Werning

The role of synchrony
and ambiguity in
speech – gesture
integration during
comprehension
Boukje Habets

Consistency vs. Flexibi-
lity of Spatial Perspec-
tive
Elena Andonova

Are women really
better at multitasking
than men? Empirical
evidence from language
perception.
Annette Hohlfeld

Links oder rechts?
Wie emotionale Pros-
odieverarbeitung bei
Morbus Parkinson
durch die Seitigkeit der
motorischen Sympto-
me beeinflusst wird
*Patricia
Garrido-Vasquez*

Computational mode-
ling of gestures in hu-
man communication
Kirsten Bergmann

Toward a Grounded
Model of Person Refe-
rence: the curious case
of “the cat”
Andrew Gargett

Sprache und Raum
zwischen Grammatik
und Kognition – Eine
typologische Hypo-
these am Beispiel der
multiethnolektalen
Kontaktvarietät Kiez-
deutsch
Till Julian Nesta Woerfel

15:30 — 16:00 Refreshment Break Foyer

16:00 — 17:00 **Presidential Address** H05
Markus Knauff
Chair: Michael Pauen

17:00 — 18:00 **Postersession** Foyer

18:00 — 19:30 **GK Members Meeting** H02

09:00 — 10:00

Plenary Address H05
 Cognitive Architectures and Virtual Intelligent Agents
Pat Langley, Arizona State University, USA
 Chair: *Ute Schmid*

10:00 — 10:30

Refreshment Break Foyer

10:30 — 11:30

Parallel Sessions

Invited Symposium:
Optionality of Information Structure
 H04
 Chairs:
Gisbert Fanselow, Stavros Skopeteas

Symposium:
Kognitive Modellierung in Mensch-Maschine-Systemen
 H03
 Chairs:
Nele Pape (Rußwinkel), Jeronimo Dzaack

Social Cognition and Agency
 H02
 Chair: *Birgit Elsner*

Eye Movements, EEG, and Sentence Processing
 H01
 Chair: *Anja Gendt*

Decision Making and Heuristics
 S13
 Chair:
Jeffrey R. Stevens

Implicit Learning and Sequence Learning
 S14
 Chair:
Jochen Laubrock

Computational Modeling
 S15
 Chair:
Konstantin Mergenthaler

Resolving Focus
Craige Roberts

Modellierung kausalen Schließens unter Unsicherheit
Uwe Drewitz

Ziel oder Weg – das ist hier die Frage! Das Verstehen zielgerichteter Handlungen in 3D-Animationen im Säuglingsalter
Ivanina Henrichs

Eye movements during mindless reading: measurement and levels of mindlessness
Daniel J. Schad

Models of similarity in intertemporal choice
Jeffrey R. Stevens

The Role of Position Codes and Item-Position Associations in Implicit Serial Learning
Nicolas Schuck

The Semantic Network of the Individual is a Small-World but Not Inevitably Scale-Free
Ana Sofia Morais

Die Modellierung von Working Memory Updating in MMS
Nele Pape (Rußwinkel)

Rationale Imitation - die „schlauere Art“ zu imitieren?
Caroline Pfeifer

Working memory influences on eye movements during reading
Anja Gendt

Shaken, not stirred: Information acquisition optimizes probability gain
Jonathan D Nelson

Implicit Sequence Learning in Children
Chris Lange-Kuettner

Toward a Computational Cognitive Model of Human Translation Processes
Michael Carl

Übersicht zu verschiedenen Anknüpfungsebenen kognitiver Modelle and externe Systeme
Leon Urbas

How Subliminal Priming and Predictability of Action Effects Influence the Sense of Agency: An ERP Study.
Antje Gentsch

A dual-route perspective of dyslexic eye movement during reading.
Stefan Hawelka

Maintaining optimism in the face of reality: A learning bias
Christoph W Korn

Procedural sequence learning in a motion coherence discrimination task: motor or perceptual?
Jochen Laubrock

An MDA High-Level Language Implementation for ACT-R
Jan Charles Lenk

11:30 — 12:30

Parallel Sessions

Invited Symposium: Optionality of Information Structure H04 <i>Chairs: Gisbert Fanselow, Stavros Skopeteas</i>	Symposium: Kognitive Modellierung in Mensch-Maschine-Systemen H03 <i>Chairs: Nele Pape (Rußwinkel), Jeronimo Dzaack</i>	Philosophy of Mind and Mind Reading H02 <i>Chair: Albert Newen</i>	Eye Movements, EEG, and Sentence Processing H01 <i>Chair: Anja Gendt</i>	Decision Making and Rationality S13 <i>Chair: Björn Meder</i>	Human Factors and Cognitive Ergonomics S14 <i>Chair: Hendrik Neumann</i>	Computational Modeling S15 <i>Chair: Konstantin Mergenthaler</i>
Clefting and Left-dislocated Topicalization in Hindi: Evidence for the Retrieval Advantage <i>Shravan Vasishth</i>	Eine Java Simulation als Device von ACT-R verwenden <i>Philippe Büttner</i>	How do we understand other human beings? The person model theory <i>Albert Newen</i>	Influence of diachronic and text specific frequencies in reading <i>Julian Heister</i>	Spontane Kausalinduktion bei der Steuerung komplexer Systeme <i>Stefan Mangold</i>	Determinants of Driver Stress and its Effects on Lane Keeping <i>Hendrik Neumann</i>	Machine Learning in Auditory Psychophysics: System Identification with Sparse Pattern Classifiers <i>Vinzenz H. Schoenfelder</i>
Focus in Verbal-final Languages <i>Gisbert Fanselow</i>	Nutzung modalitätsspezifischer Abkürzungen in multimodaler MMI <i>Stefan Schaffer</i>	A Social Turing Test: Ascription of Humanness to a Virtual Character is Based on Contingency and Valence of Gaze Behavior <i>Ulrich Pfeiffer</i>	Characterization and correction of eye movement artifacts in EEG data <i>Michael Plöchl</i>	Causal Consistency versus Empirical Evidence <i>Momme von Sydow</i>	You think it's hi-fi – yet your brain might spot the difference: An EEG study on subconscious processing of noisy audio signals <i>Jan-Niklas Antons</i>	Bayesian model comparison of cognitive computational learning models <i>Martin A. Rohrmeier</i>
	Konzepte zur Implementierung von Lotsenheuristiken mit Unterstützung einer Mikrowelt <i>Maik Friedrich</i>	Neuronen und Halluzinationen. Schizophrenie im Angesicht des psychophysischen Problems <i>Mike Lüdmann</i>		Logical Patterns of Contingencies: Common-Sense and Transfer <i>Momme von Sydow</i>		Probability Estimation of Rare Events in Linguistics and Computational Neuroscience <i>Stefan Evert</i>

12:30 — 13:30

Lunch

Canteen (Mensa)

13:30 — 14:30

Parallel Sessions

Rules of Language
H04

Chair: Stela Manova

Symposium:
Adaptivity of Hybrid
Cognitive Systems
H03

Chair: Peter Bosch

Symposium:
Perspektiven für die
Kognitionsethnologie
in den Kognitions-
wissenschaften
H02

*Chairs: Andrea Bender,
Sieghard Beller*

Invited Symposium:
Complex Cognition
H01

*Chairs: Ute Schmid,
Wolfgang Barkowsky*

Analogical and
Deductive
Reasoning
S13

*Chair:
Franziska Preusse*

Embodied Cognition
S14

Chair: Barbara Kaup

Movement Control,
Motor Learning,
and Kinematics
S15

Chair: Martin V. Butz

The primacy of graded
grammaticality

Markus Bader

From Semantic Map-
ping to Anchored
Knowledge Bases

Joachim Hertzberg

Kausalität, Kognition
und Kultur: Interdis-
ziplinäre Perspektiven
auf ein Kernkonzept
der Kognitionswissen-
schaften

Sieghard Beller

Remarks on the Dyna-
mics of Theory Blen-
ding

Kai-Uwe Kühnberger

Learning in Analogical
Reasoning: Greedy and
Ubiquitous or Context-
Dependent?

Jirka Lewandowski

Zur Interaktion zwi-
schen Sprache und
Motorik: Wortbasierte
Kompatibilitätseffekte

Monica De Filippis

Asymmetric control of
fixation durations: Ex-
periments and model

Hans Arne Trukenbrod

Suffix combinations in
derivation: A cognitive
approach

Stela Manova

Unmasking the Con-
tribution of Low-level
Features to the Gui-
dance of Attention

José Pablo Ossandón

Autobiografisches Ge-
dächtnis, Emotion und
Kultur

Birgitt Röttger-Rössler

Modeling Complex
Real-time Behavi-
or and Planning of
Interventions by Coun-
terfactual Reasoning
with Bayesian Models

Claus Möbus

Re-representation as
an effect of analogical
mapping

Nicolas Oberholzer

The Meaning of Mo-
vements: Crosstalk be-
tween Semantics and
Kinematics

Anne Springer

Moving while memori-
zing: Influence of acti-
on planning on short-
term memory capacity

Marnie Ann Spiegel

Statistical Models of
Non-Randomness in
Natural Language

Gordon Pipa

Fluid intelligence mo-
dulates cerebral corre-
lates of processing geo-
metric analogies

Franziska Preusse

Emotional valence and
physical space: Limits
of interaction

Irmgard de la Vega

Curiosity in Learning
Sensorimotor Maps

Martin V. Butz

14:30 — 15:30

Parallel Sessions

Attention and Language

H04

*Chair:**Shravan Vasishth***Symposium: Adaptivity of Hybrid Cognitive Systems**

H03

*Chair: Peter Bosch***Symposium: Perspektiven für die Kognitionsethnologie in den Kognitionswissenschaften**

H02

*Chairs: Andrea Bender, Sieghard Beller***Invited Symposium: Complex Cognition**

H01

*Chairs: Ute Schmid, Wolfgang Barkowsky***Analogical and Deductive Reasoning**

S13

*Chair:**Franziska Preusse***Embodied Cognition**

S14

*Chair: Barbara Kaup***Movement Control, Motor Learning, and Kinematics**

S15

Chair: Martin V. Butz

Bilingualism→Selective Attention→Creativity: Exploring cognitive mechanisms encouraging bilingual creative potential.

Anatoliy Vladimirovich Kharkhurin

A Double-hybrid Architecture for Personality

Rainer Düsing

Kognitionswissenschaftliche Besucherforschung: Eine Verknüpfung ethnologischer und psychologischer Methoden und Theorien

Kira Eghbal-Azar

A Testbed for Research on Complex Cognition

Pat Langley

Complexity in Analogy Tasks: An Analysis and Computation Model

Philip Stahl

Online comprehension of desiderative-mood sentences: Evidence for an immediate activation of the approach system

Berry Claus

Motor synergies in grasping real and virtual objects

Bettina Blaesing

Adaptivity in the Visual Interpretation of Definite Reference

Sascha Alexejenko

Vergleichende kognitive Anthropologie

Daniel Haun

Acting in Complex Domains and Consciousness

Dietrich Dörner

If it's the case that if an animal is a dog, then it barks, do all dogs bark?

Nicole Cruz de Echeverría Loebell

A space for affect: Is the vertical representation of affect automatically activated?

Juan José Rahona

Mental rotation of primate hands: human-likeness and thumb distinctiveness

Bettina Blaesing

Lernen Konditionaler Information

Igor Douven

Through the Enactive Eye – Locked-in Syndrome as a Challenge for Embodied Cognition

Miriam Kyselo

15:30 — 16:00

Refreshment Break

Foyer

16:00 — 17:00

Plenary Address H05

Linguistically Induced ad hoc Categorization

Claudia Maienborn, Universität Tübingen, Deutsches Seminar, Germany

Chair: Christopher Habel

18:00 — 22:00

Conference Dinner and Award Ceremony

Restaurant „Der Hammer“

09:00 — 10:00

Plenary Address H05

Stability and Change in Basic Numerical Capacities and the Foundations of Arithmetic
Brian Butterworth, University College London, UK
 Chair: *Heike Wiese*

10:00 — 10:30

Refreshment Break Foyer

10:30 — 11:30

Parallel Sessions

**Invited Symposium:
 Neue Theorien der
 Rationalität**
 H04
 Chairs:
*Markus Knauff,
 Wolfgang Spohn*

**Invited Symposium:
 Symbolizing
 Emotions**
 H03
 Chair:
Gisela Klann-Delius

**Symposium: Frames
 - A General Format
 of Representation?**
 H02
 Chairs:
*Gottfried Vosgerau,
 Wiebke Petersen*

**Attention and
 Interference**
 H01
 Chair: *Katrin Göthe*

**Cognitive Systems
 and Intelligent
 Agents**
 S13
 Chair:
Rainer Reisenzein

Memory
 S14
 Chair: *Elke B Lange*

Spatial Cognition
 S15
 Chair: *Leandra Bucher*

Lernen Konditionaler
 Information
Igor Douven

Introduction
Gisela Klann-Delius

Formal Frame Theory
 for Concept Composi-
 tion and Decomposition
Wiebke Peterson

Modality dependent
 central processing:
 Implications for parallel
 processing of two tasks
Katrin Göthe

Equipping a Conver-
 sational Agent with
 Access to Wikipedia
 Knowledge
Alexa Breuing

The Development of
 Visual Short-Term
 Memory During Child-
 hood: The Influence of
 Verbal Strategies
Susanne Lehner

Predicting the BOLD
 response with a com-
 putational model of de-
 ductive spatial reason-
 ing
Sven Brüßow

Das Konzept der
 Rationalität aus der
 kognitiv-ökologischen
 Perspektive der Urteils-
 und Entscheidungsfor-
 schung
Klaus Fiedler

Processing Emotional
 Pictures and Words
Lorna Schlochtermeyer

Frames, Concept Ty-
 pes and Type Shifts:
 The Case of Associati-
 ve Anaphora
Alexander Ziem

Different performance
 strategies for different
 people: The influence
 of personality on op-
 timization strategies in
 PRP
Susana Ruiz Fernández

Modeling spatial beha-
 vior for socially intelli-
 gent agents
Felix Lindner

Attentional Modulation
 of Visual Short Term
 Memory Load in the In-
 traparietal Sulcus
Sabrina Trapp

Placements are easy
 dependent on what you
 are told – And on what
 you could have been
 told
Robin Hörnig

Verbal Expression of
 Emotion in Alexithymia
Christiane Wotschack

Effects of practice in vi-
 deo games: Processing
 advantage in dual-task
 situations
Tilo Strobach

Heidi, James & Igor.
 Inductive rule aquisi-
 tion for a philosophi-
 cally and psychological-
 ly founded autonomous
 agent.
Marius Raab

Age-related changes in
 binding colors and sha-
 pes in visual short-term
 memory
Shriradha Sengupta

Belief Revision beim
 räumlichen Denken
Leandra Bucher

11:30 — 12:30

Parallel Sessions

**Invited Symposium:
Neue Theorien der
Rationalität**
H04
*Chairs:
Markus Knauff,
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**Invited Symposium:
Symbolizing
Emotions**
H03
*Chair:
Gisela Klann-Delius*

**Symposium: Frames
- A General Format
of Representation?**
H02
*Chairs:
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Wiebke Petersen*

**Attention and
Interference**
H01
Chair: Katrin Göthe

**Cognitive Systems
and Intelligent
Agents**
S13
*Chair:
Rainer Reisenzein*

Memory
S14
Chair: Elke B Lange

Spatial Cognition
S15
Chair: Kai Hamburger

**Wahrscheinlichkeits-
logik als Rationalitäts-
norm**
Niki Pfeifer

**Rhythmic Language
and Emotion**
Sonja A. Kotz

**Evolution of Theories
and Concepts**
Heiner Fangerau

**Können wir Gefahren
im Straßenverkehr
durch subtile Auf-
merksamkeitssteuerung
reduzieren?**
Angela Mahr

**CBDTE: A Compu-
tational Belief-Desire
Model of Emotion**
Rainer Reisenzein

**Gaze in wonder: Me-
mory encoding does
not need our eyes**
Elke B Lange

**Interindividuelle Unter-
schiede und logisches
Denken: Beeinträchti-
gungen durch bildliches
Vorstellen**
*Lupita Estefania
Gazzo-Castaneda*

**Immer wieder Linda.
Warum es rational sein
kann, einen Fehlschluss
zu begehen**
Mark Siebel

**Multilingualism and
Emotional Effects
during the Reading
Process in Different
Languages**
Markus Conrad

**Grounded Cognition:
Sensorimotor Values in
Frames**
Gottfried Vosgerau

**Mathematical mo-
delling of cognitive
processes underlying
the stimulated idea
generation during
brainstorming**
Lea Maria Poeplau

**Studying Memory-
Based Information
Integration via Eye-
Tracking**
Georg Jahn

**Hilfreiche Landmarken:
Ein Vergleich bildhaf-
ten, sprachlichen, akus-
tischen und semanti-
schen Materials bei der
Rekognition und Navi-
gation**
Kai Hamburger

**Belief revision beim
räumlichen Denken –
Ein rationaler Prozess?**
Antje Krumnack

**Grundlagenuntersuch-
ungen zur erweiterten
Modellierung des Asso-
ziativen Gedächtnisses
auf der Basis von
beobachteten Traum-
mechanismen**
Fritz Wysotzki

**Impairing somatosen-
sory working memory
using TMS**
Ryszard Aukstulewicz

12:30 — 13:30

Lunch

Canteen (Mensa)

13:30 — 14:30

Parallel Sessions

**Invited Symposium:
Neue Theorien der
Rationalität**
H04
Chairs:
*Markus Knauff,
Wolfgang Spohn*

**Language and
Information
Structure**
H01
Chair:
Ulrike Freywald

Artificial Grammars
S13
*Chair: Christopher Michael
Barkley*

**Visual Perception
and Ambiguity**
S14
Chair:
Norbert Fürstenau

**Applied Cognitive
Science**
S15
Chair:
Sven Brüßow

Modelle elementaren
diagnostischen Schlie-
ßens
Björn Meder

Information Structure
Constrains Syntax: The
Case of Split Topicali-
zation in German
Dennis Ott

Inter-individual diffe-
rences in feedback-
based learning of
phonotactic rules in an
artificial language
Iris Nikola Knierim

Parametric Faces in
Pop-Out Paradigm –
When Class Informati-
on Becomes a Feature
*Tim
Christian Kietzmann*

From Smart Materials
to Cognitive Materi-
als – Requirements and
Challenges
Lutz Frommberger

A Dynamic Model of
Belief
Wolfgang Spohn

Disentangling topicali-
ty from order of men-
tion in the resolution
of the German subject
pronouns *er* and *der*:
Off-line and on-line da-
ta
Miriam Ellert

Accessing and Cha-
racterizing the Com-
petence Grammar:
Double Dissociations in
Neural and Behavioral
Responses to Linguistic
Ill-formedness.
*Christopher Michael
Barkley*

When our brain is im-
pressed but we do not
notice it – Evidence
for unconscious reliabi-
lity estimation of the
perceptual outcome
Jürgen Kornmeier

Language Teaching
through Multimedia?
A study
Beena Anil

Where does abstracti-
on occur in implicit ar-
tificial grammar lear-
ning? Two computa-
tional models of non-
instantiated transfer
Sebastian Huebner

Self-Oscillator Model
of Bistable Perception
Explains Reversal Rate
Characteristics of In-
terrupted Ambiguous
Stimulus
Norbert Fürstenau

Computerbasierte Dia-
gnostik von Planungs-
und Problemlösekom-
petenz im Kindesalter
David Alexej Tobinski

14:30 — 15:45	GK Best Paper Award Lectures 2008 and 2010	H05		
	Enactive Social Cognition <i>Tobias Schlicht</i>			
	Is lexical access autonomous? Evidence from combining overlapping tasks with recording event-related brain potentials <i>Milena Rabovsky</i>			
	Minds Made for Sharing: Initiating joint attention recruits reward-related neurocircuitry <i>Leonhard Schilbach</i>			
	<i>Chair: Markus Knauff</i>			
<hr/>				
15:45 — 16:00	Farewell KogWis2010	H05		
	<i>Chair: Johannes Haack (Conference Organizer)</i>			
<hr/>				
16:00 — 16:30	Refreshment Break	Foyer	Fachgruppentreffen GI, KI, Kognition	S13
			<i>Chairs: Ute Schmid, Thomas Barkowsky</i>	

Poster Session

Monday, 04/10/2010
 5:00pm – 6:00pm
Foyer
 House 6; Ground Floor

Posteraustellung

Montag, 04.10.2010
 17:00 Uhr bis 18:00 Uhr
Foyer
 Haus 6; Erdgeschoss

<p>Modellierung von Reihenfolgeeffekten beim moralischen Urteilen</p> <p>1 <u>Alex Wiegmann</u>, Ralf Mayrhofer <i>Universität Göttingen, Germany; AWiegmann@aol.com</i></p>
<p>Emotion regulation by verbal structural parallelisms in younger and older adults – An ERP study</p> <p>2 <u>Beate Czerwon</u>¹, Annette Hohlfeld², Heike Wiese², Katja Werheid¹ ¹Humboldt-Universität zu Berlin, Germany; ²Universität Potsdam, Germany; beate.czerwon@hu-berlin.de</p>
<p>The social antisocial – a paradox?</p> <p>3 <u>Marisa Przyrembel</u> <i>Humboldt Universität zu Berlin, Germany; marisa.przyrembel@hu-berlin.de</i></p>
<p>Regulating one's Fear of Death - An fMRI Study Investigating the Neural Responses to Reminders of one's Mortality</p> <p>4 <u>Lucas Eggert</u>¹, Markus Quirin¹, Alexander Loktyushin¹, Yin-Yueh Lo¹, Julius Kuhl¹, Ekkehard Küstermann² ¹University of Osnabrück, Germany; ²University of Bremen, Germany; leggert@uos.de</p>
<p>Money corrupts empathy: Effects of money on empathic responses to others' pain</p> <p>5 <u>Sandra Paul</u>¹, Jan Crusius², Gottfried Vosgerau³, Daniela Simon¹ ¹Humboldt Universität zu Berlin, Germany; ²Universität zu Köln, Germany; ³Heinrich-Heine Universität Düsseldorf, Germany; paulsand@cms.hu-berlin.de</p>
<p>Gender Differences in Grip-Strength Depending on Arousal and Valence of Emotions</p> <p>6 <u>Felix Wilhelm Siebert</u>, Michael Oehl, Hans-Rüdiger Pfister <i>Leuphana University of Lueneburg, Germany; felix.siebert@gmail.com</i></p>
<p>Mood alters time preference for delayed rewards</p> <p>7 <u>Florian Klapproth</u> <i>University of Luxembourg, Luxembourg; florian.klapproth@uni.lu</i></p>
<p>Joining selfhood and core-consciousness</p> <p>8 <u>Marc Borner</u> <i>Humboldt Universität zu Berlin, Germany; marc.borner@gmx.de</i></p>

Trait emotional intelligence facilitates responses in the gambling task

Nils-Torge Telle¹, Carl Senior², Michael Butler³

- 9 ¹*Leuphana University of Lüneburg, Institute of Experimental Industrial Psychology, Germany;* ²*Aston University, School of Life & Health Sciences;* ³*Aston University, Aston Business School;* Telle@leuphana.de

The role of analogical functional attributes in evaluating the plausibility of analogical inferences

- 10 Ricardo Minervino¹, Nicolás Oberholzer², Valeria Olguín¹, Máximo Trench²

¹*Universidad Nacional del Comahue, Argentina;* ²*Universidad de Buenos Aires, Argentina;* minervinor@jetband.com.ar

Age of acquisition and typicality effects in an online categorization task

- 11 Astrid Schroeder, Steffie Ruppig, Isabell Wartenburger

University of Potsdam, Germany; astrid.schroeder@uni-potsdam.de

The Effect of Devaluation in Causal Learning

- 12 Uwe Drewitz

TU Berlin, Germany; uwe.drewitz@tu-berlin.de

Information search under asymmetric reward conditions

- 13 Björn Meder, Jonathan D. Nelson

Max Planck Institute for Human Development; meder@mpib-berlin.mpg.de

Individual differences in dual task performance: The influence of risky behavior, behavioral inhibition and behavioral approach

- 14 Martin Lachmair¹, Susana Ruiz-Fernandez¹, Juan José Rahona²

¹*Universität Tübingen, Germany;* ²*Universidad Complutense de Madrid;* martin.lachmair@uni-tuebingen.de

Die Flexibilität des menschlichen Geistes und die Rolle von Selbstreflexion

- 15 Christoph Sonnenberg

Institut für Theoretische Psychologie, Otto-Friedrich-Universität Bamberg, Germany; christoph.sonnenberg@stud.uni-bamberg.de

Zahlen sind schnell bei der Hand

- 16 Frank Domahs^{1,2}

¹*RWTH Aachen, Germany;* ²*Philipps-Universität Marburg, Germany;* domahs@neuropsych.rwth-aachen.de

Christliche Ikonographie als eine neue Perspektive auf die Assoziation und das mental-mapping

- 17 Patrick Grüneberg^{1,2}, Noliko Chinone^{1,3}

¹*Asisi - ArtSource Institute of Social Intervention, Germany;* ²*Technische Universität Berlin;* ³*Ludwig Maximilian Universität München;* chinone@asisi.eu

18	<p>A Biologically Traceable Dual-Time-Scale Mechanism for Optimal Situation-Dependent Decision Making</p> <p><u>Oussama H Hamid</u>, Jochen Braun <i>Otto-von-Guericke University, Magdeburg; hamid@ovgu.de</i></p>
19	<p>Background knowledge: An important factor in human navigation</p> <p><u>Christopher Kalff</u>, Gerhard Strube <i>Universität Freiburg, Germany; kalff@cognition.uni-freiburg.de</i></p>
20	<p>Wechselkosten und modalitätsspezifische Verarbeitung bei der Navigation: Welche Landmarken werden in welcher Modalität optimal verarbeitet?</p> <p><u>Florian Röser</u>, Kai Hamburger, Markus Knauff <i>Justus Liebig University Gießen, Germany; Florian.Roeser@psychol.uni-giessen.de</i></p>
21	<p>Der Weg und seine Struktur: Kognitive Prozesse und optimale Platzierungen von Landmarken an einer Wegkreuzung</p> <p>Cate Marie Trillmich, Kai Hamburger, <u>Florian Röser</u> <i>Justus Liebig University Giessen, Germany; florian.roeser@psychol.uni-giessen.de</i></p>
22	<p>Memory's Impact on Overt Attention</p> <p><u>Kai Kaspar</u>, Peter König <i>University of Osnabrück, Germany; kai.kaspar@uni-osnabrueck.de</i></p>
23	<p>The Interaction between Individual Context and Eye Movement Behaviour</p> <p><u>Kai Kaspar</u>, Peter König <i>Universität Osnabrück, Germany; kai.kaspar@uni-osnabrueck.de</i></p>
24	<p>Implicit classification reveals priority of processing physical properties in novices but processing of higher cognitive properties in experts</p> <p><u>Mike Imhof</u>, Maximilian Straif, Christoph W. Stein, Claus-Christian Carbon <i>Department of General Psychology and Methodology, University of Bamberg, Germany; mike.imhof@uni-bamberg.de</i></p>
25	<p>Does the structure of thought mirror the structure of vision?</p> <p><u>Michela Carolina Tacca</u> <i>University of Dusseldorf, Germany; tacca@phil-fak.uni-duesseldorf.de</i></p>
26	<p>Metropolitan features - A pupillometry study</p> <p><u>Majken Bieniok</u>¹, Reinhard Beyer, Elke van der Meer <i>HU Berlin, Kognitive Psychologie; majken.bieniok@hu-berlin.de</i></p>
27	<p>Visual Attention in 3D Space: Tracking and Visualizing Attention Beyond Desktop Set-ups</p> <p><u>Thies Pfeiffer</u> <i>Bielefeld University, Germany; Thies.Pfeiffer@Uni-Bielefeld.de</i></p>

28	<p>Object Deixis: Interaction between verbal expressions and manual pointing gestures</p> <p><u>Thies Pfeiffer</u> <i>Bielefeld University, Germany; Thies.Pfeiffer@Uni-Bielefeld.de</i></p>
29	<p>ERP analysis of audiovisual integration during language comprehension</p> <p><u>Verena Winter</u>^{1,2}, <u>Horst M. Müller</u>¹ ¹<i>Experimental Neurolinguistics Group, SFB 673, Bielefeld University, Germany;</i> ²<i>Konstanz University, Germany; vwinter@uni-bielefeld.de</i></p>
30	<p>Acquisition of efficient visual word processing: Evidence from eye movements and naming latencies</p> <p><u>Benjamin Gagl</u>, <u>Stefan Hawelka</u>, <u>Heinz Wimmer</u> <i>University of Salzburg; benjamin.gagl@sbg.ac.at</i></p>
31	<p>Diurnal Variation of Language Processing</p> <p><u>Anna Jessen</u>, <u>Kathrin Pusch</u>, <u>Manfred Krifka</u> <i>Humboldt-Universität Berlin, Germany; anna_jessen@hotmail.com</i></p>
32	<p>Is verbal short-term memory linguistically structured?</p> <p><u>Kamila Polisenska</u>, <u>Shula Chiat</u>, <u>Penny Roy</u> <i>City University London, United Kingdom; kamila.polisenska.1@city.ac.uk</i></p>
33	<p>Automatische Detektion phonotaktischer Constraint-Verletzungen – eine ERP-Studie</p> <p><u>Johanna Steinberg</u>¹, <u>Hubert Truckenbrodt</u>², <u>Thomas Jacobsen</u>³ ¹<i>Universität Leipzig, Germany;</i> ²<i>Zentrum für Allgemeine Sprachwissenschaft Berlin, Germany;</i> ³<i>Helmut Schmidt Universität/ Universität der Bundeswehr Hamburg, Germany;</i> j.steinberg@uni-leipzig.de</p>
34	<p>Prosody and verbal short-term memory</p> <p><u>Kamila Polisenska</u>, <u>Anne Zimmer-Stahl</u> <i>City University London, United Kingdom; Anne.Zimmer-Stahl.1@city.ac.uk</i></p>
35	<p style="text-align: center;">Content of slide 35 is crossed out.</p>
36	<p>Developments at the Language-Cognition Interface: The Left Periphery in Kiezdeutsch, a German multiethnolect</p> <p><u>Ulrike Freywald</u>, <u>Sören Schalowski</u> <i>University of Potsdam, Germany; soeren.schalowski@googlemail.com</i></p>

Does Alignment Shape the Production of Verbal Referring Expressions?

37 Sara Maria Hellmann¹, Hendrik Buschmeier², Kirsten Bergmann^{1,2}, Petra Weiß¹, Stefan Kopp^{2,1}

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Remediation of reading deficits with distinct causes: Training effects and underlying neural mechanisms.

38 Julia Pape-Neumann¹, Muna van Ermingen², Marion Grande¹, Walter Huber¹, Katrin Amunts³, Katharina Saß², Stefan Heim^{2,3}

¹RWTH Aachen University, Neurolinguistics at the Department of Neurology; ²RWTH Aachen University, Department of Psychiatry and Psychotherapy; ³Research Centre Jülich, Institute for Neurosciences and Medicine (INM-1); jpape-neumann@ukaachen.de

Every embodiment needs some body!

39 Wendy Wilutzky, Ulf Krumnack

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The Cognitively Adequate Construction of Tactile Maps: First Results

40 Christian Graf

Universität Bremen, Germany; cgraf@acm.org

Hybrid Representational Formalism for Verbally Assisted Virtual-Environment Tactile Maps

41 Matthias Kerzel, Kris Lohmann, Christopher Habel

University of Hamburg, Germany; kerzel@informatik.uni-hamburg.de

Process Analyses of Grounding in Chat-based CSCL: An Approach for Adaptive Scripting?

42 Michael Oehl, Theodor Berwe, Hans-Rüdiger Pfister

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Die kognitive Ergonomie von Microsoft WORD und LaTeX

43 Jelica Nejasmic, Markus Knauff

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jelica.nejasmic@psychol.uni-giessen.de

Moderate cognitive impairment and risk factors in progression of vascular dementia

44 Ilona Suvorova, Vladimir Shprakh

Irkutsk State Institute of Postgraduate Education, Russian Federation; ilona.suvorova@mail.ru

Concept for a microsystem based implementation of the thermal vision of the pit viper

45 [Erik Jung](#)¹, Andreas Sichert², Alexander Hilgarth¹, Roland Utz²

¹Fraunhofer IZM, Germany; ²Technische Universität München; erik.jung@izm.fraunhofer.de

Intrinsic properties of supragranular pyramidal neurons and interneurons in the auditory cortex of mice

46 [Andreas Abraham](#)¹, Florian Hetsch¹, Rudolf A. Deisz², Marianne Vater¹

¹Department of Zoology, Uni Potsdam, Germany; ²Center for Anatomy, Charité Universitätsmedizin Berlin, Germany; andreas.abraham@uni-potsdam.de