

Monday, 25th August: Poster Session 1 (10.00 – 11.30)

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Comparisons of temporal binding window width between types of crossmodal correspondences

Yasuhiro Takeshima

Hosei University
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Evaluating the WikiArt Dataset using Quantitative Image Properties, Ratings, and Art History

Lisa Koßmann¹; Stefanie De Winter^{1,2}; Jitse Woussen¹; Christophe Bossens¹; Johan Wagemans¹

¹ Laboratory of Experimental Psychology, Department of Brain and Cognition, University of Leuven (KU Leuven); ² Department of Art History, University of Leuven (KU Leuven)
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Human-Like Gaze Patterns Enhance Robot Likability and Perceived Empathy: New Insights into the Uncanny Valley Effect

Su-Ling Yeh¹; Te-Yi Hsieh¹; Pai-He Hsiao¹; Chia-Hui Pan²; Yu Fang³

¹ National Taiwan University; ² National Taiwan Normal University; ³ Honda Research Institute
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Distinguishing a central selection bias from a central fixation bias: the role of retinal eccentricity in visual selection

Zirui Gu; Christian N.L. Olivers; Mieke Donk

VU Amsterdam
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Beyond Expectations: Nocebo Suggestion Affects Cognitive Performance in Older Adults

Alessandra Barbon¹; Bernardo Villa-Sánchez²; Mirta Fiorio³; Sara Asseconi¹; Veronica Mazza¹

¹ Università degli Studi di Trento; ² Arizona State University; ³ Università di Verona
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Feedback processing conveying surrounding scene context in occlusion paradigm depends on early visual experience

Carolin Heitmann¹; Minye Zhan²; Madita Linke¹; Ramesh Kekunnaya³; Rick Van Hoof⁴; Rainer Goebel⁴; Brigitte Röder¹

¹ Universität Hamburg, Institut für Psychologie; ² Sorbonne Université; ³ L. V. Prasad Eye Institute; ⁴ Maastricht University
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Smooth Eye Movements and Perceptual Alternations in an Ambiguous Kinetic Depth Effect (KDE) Stimuli

Anna Montagnini; Liubov Ardasheva

CNRS and Aix-Marseille University
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From Repulsion to Attraction: Object Priority Drives Distinct Memory Biases in Visual Working Memory

Stefan Kalanoski¹; Aytac Karabay^{1,2}; Chaipat Chunharas^{3,4}; Daryl Fougny¹

¹ New York University Abu Dhabi; ² University of Birmingham Dubai; ³ Chulalongkorn University; ⁴ University of California San Diego
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Geographic information of memorized places is represented in the parietal memory network

Nina Bana Khatibi; Neda Afzalia; Reza Rajimehr

Institute for Research in Fundamental Sciences (IPM)
- 19

Dual gaze behavior in autism during real-life social interaction

Laura Tibermont¹; Ruth Op de Beeck¹; Rowena Van den Broeck¹; Lisa Gistelinck¹; Stephanie Van der Donck¹; Roy Hessels²; Kaat Alaerts³; Bart Boets¹

¹ Center for Developmental Psychiatry, KU Leuven, Belgium ; ² Department of Experimental Psychology, Utrecht University, The Netherlands; ³ Neuromodulation Laboratory, KU Leuven, Belgium
- 21

EEG-Based Neural Representations of Visually Guided Reaching and Placement Movements

Petros Georgiadis; Erez Freud; Peter Kohler; Douglas Crawford

York University
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Evaluating ideal observers for large target identification tasks under additive white noise

Can Oluk¹; Wilson Geisler²

¹ École Polytechnique Fédérale de Lausanne (EPFL); ² University of Texas at Austin
- 25

MEG signals predict capacity limitations in working memory

Philipp Deutsch¹; Benjamin Peters²; Cora Fischer¹; Jochen Kaiser¹; Christoph Bledowski¹

¹ Goethe University Frankfurt; ² University of Edinburgh
- 27

Spontaneous recovery of saccadic adaptation explained by a postdictive model

Max Johann Schuhriemen; Jana Masselink; Markus Lappe

Universität Münster
- 29

Multimodal retinal assessment of glaucomatous damage – analysis of structure, function, and vasculature

Moein K. Tavakoli¹; Khaldoun Al-Nosairy¹; Francie H. Stolle¹; Michael B. Hoffmann^{1,2}

¹ Department of Ophthalmology, Otto-von-Guericke University, Magdeburg, Germany ; ² Center for Behavioral Brain Sciences, Magdeburg, Germany
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Neurodynamical model of action-perception coupling for hand movements

Martin A. Giese; Xinrui Jiang

University Clinic Tübingen , HIH / CIN
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Bayesian Comparisons Between Representations

Heiko Schütt

Université du Luxembourg
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Introducing the DynaGrid. Development, Evolution, and Validation of a New Consumer Research Method based on Perception

Lotta Straube; Alexander Pastukhov; Anna Heuschkel; Lisa Alexandra Gromer; Claus-Christian Carbon

Otto-Friedrich-University Bamberg

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Multiple Spine Drift Illusion

Bernd Lingelbach¹; Nicholas Wade²; Akiyoshi Kitaoka³

¹ The Barn - Optical Phenomena; ² University of Dundee ; ³ Ritsumeikan University

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Predictive processing in autism: A meta-analysis of functional magnetic resonance imaging results

Hjalmar Nobel Norrman¹; Yating Huang¹; Annelies van't Westeinde^{1,2}; Tessa van Leeuwen^{3,4}; Peter Fransson¹; Sven Bölte^{1,5,6}; Janina Neufeld^{1,7}

¹ Karolinska Institute; ² Karolinska University Hospital; ³ Tilburg University; ⁴ Radboud University; ⁵ Curtin University (CU); ⁶ Region Stockholm (RS); ⁷ Swedish Collegium for Advanced Study

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Untypical scene exemplars are easier to remember, but harder to categorize

Charlotte Atzert¹; Filip Děchtěrenko²; Jiří Lukavský²; Niko A. Busch¹

¹ University of Münster, Institute of Psychology; ² Czech Academy of Sciences, Institute of Psychology

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The influence of spatio-temporal and feature information on visual apparent motion perception in 5–7-year-old children

Elisabeth Hein; Bettina Rolke; Madeleine Yvonne Stepper

University of Tübingen

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Task status of items determines repulsive and attractive serial dependence in working memory

Saskia Fohs; Cora Fischer; Jochen Kaiser; Christoph Bledowski

Goethe Universität Frankfurt am Main

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Increased motion coherence thresholds in individuals with higher attention to detail autistic traits - but not compared to their co-twins and irrespective of sequence-colour synaesthesia

Janina Neufeld¹; Tessa M. Van Leeuwen²; Hjalmar Nobel Norrman¹; Yating Huang¹; Manuel Oliva¹

¹ Karolinska Institutet; ² Tilburg University

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Perceived Animacy from Global and Local Image Distortions

Yunus Emre Türkmen¹; Görkem Baysal¹; Katja Doerschner²; Dicle Dövençioğlu¹

¹ Middle East Technical University; ² JLU Giessen

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The inversion effect in implied motion of children

Riku Umekawa¹; So Kanazawa²; Masami K. Yamaguchi¹

¹ Chuo University; ² Japan Women's University

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Foraging for Biological Motion: Do cross-modal auditory cues affect performance?

Ivan Makarov¹; Tram T. N. Nguyen²; Runar Unnthorsson¹; Árni Kristjánsson¹; Ian M. Thornton²

¹ University of Iceland; ² University of Malta

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Illuminating the unconscious: The impact of physical and perceived brightness on visual awareness

Hiroataka Senda; Michael Makoto Martinsen; Hideki Tamura; Shigeki Nakauchi; Tetsuto Minami

Toyohashi University of Technology

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Culture Shapes Ensemble Perception of Facial Expressions

Toshiki Saito¹; Sotaro Taniguchi²; Pauline Schaller¹; Katsumi Watanabe²; Roberto Caldara¹

¹ University of Fribourg; ² Waseda University

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Noise masking effects on body expression perception

Chia-Chen Yang¹; Cheng-Hsuan Chen¹; Chih-Hsuan Wu¹; Miao Cheng²; Satoshi Shioiri²; Chiahuei Tseng²; Chien-Chung Chen¹

¹ National Taiwan University; ² Tohoku University

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Embodiment in Visually Guided Braking: Effector-Dependent Variability in Proportional Rate Control

Didem Kadihasanoglu¹; Xiaoye Michael Wang²; Irmak Oztan¹; Cennet Bengisu Kostak¹; Deniz Yilmaz¹

¹ TOBB University of Economics & Technology; ² University of Toronto

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Extrapolation of Visual Features Occurs Early and Induces Crowding

Hazal Sertakan

University of Florence

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Does increased alertness improve distractors’ rejection?

Tomer Sahar; Tal Makovski

The Open University of Israel

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Face Perception Beyond Western Cultures: A Preliminary Study on Face-Part Identification

Kohske Takahashi¹; Nobu Inazumi²; Masaki Shimada³; Takanori Oishi⁴; Kun Qian⁵; Xiaojie Tian⁶

¹ Ritsumeikan University; ² JSPS Nairobi Research Station; ³ Teikyo University of Science; ⁴ Tokyo University of Foreign Studies ; ⁵ Kyushu University; ⁶ University of Tsukuba

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The relationship between facial expression and color: Investigating their interaction in selective attention using event-related potentials

Yuya Hasegawa; Hideki Tamura; Shigeki Nakauchi; Tetsuto Minami

Toyohashi University of Technology

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Spatiotemporal processing in poor readers and its relation to fixational eye movements

Bader Almagren; Simon Rushton; David Whitaker; Matt Dunn

Cardiff University

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Perceptual Strategies for Extrapolating Noisy Visual Trajectories

Olga Polezhaeva¹; Stefan Glasauer²; Michel-Ange Amorim¹

¹ Université Paris-Saclay, Inria, CIAMS; ² Brandenburg University of Technology Cottbus-Senftenberg

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Voice or Face? – Audio-Visual Integration of Attractiveness, Likability and Personality Perception

Anabell Hacker

Technische Universität Berlin

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Perceiving Gaze and Expression of High-Fidelity Human Avatars

Rachael Taylor¹; Lisa Huerta¹; Mike Burton²; Markus Bindemann¹

¹ University of Kent; ² University of York

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Approach And Avoidance to High-Fidelity Expressive Human Avatars

Lisa Huerta¹; Rachael Taylor¹; Mike Burton²; Markus Bindemann¹

¹ University of Kent; ² University of York

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The power of sound: exploring the auditory influence on visual search efficiency

Xiaoyu Tang; Rong Zhang

Liaoning Normal University

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Attention and appearance are phenomenologically similar but mechanistically distinct

Peter Neri

Istituto Italiano di Tecnologia

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A twin study of genetic and environmental aetiologies of associations between sensory processing sensitivity and psychotic-like experiences

Marloes Mak¹; Angelica Ronald²; Corina U. Greven³; Tessa van Leeuwen¹

¹ Tilburg University; ² University of Surrey; ³ Radboud University Medical Centre

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Experience-dependent biases in representing a set of faces in infancy: Evidence from face prototype formation and face dimension extraction

Carie Guan¹; Paul C. Quinn²; Linlin Yan³; Xiaoqing Gao⁴; Gabriel (Naiqi) Xiao¹

¹ McMaster University; ² University of Delaware; ³ Zhejiang Sci-Tech University; ⁴ Zhejiang University

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Pupillometric and behavioural assays of numerosity perception

Irene Burgio¹; Paola Binda²; Elisa Castaldi¹

¹ University of Florence; ² University of Pisa

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Binding Meaning: The Role of Semantic Associations in Action Control during Object Perception

Nilay Türkan; Lars-Michael Schöpper; Christian Frings

Trier University

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Forget Me Not: I decided to keep yours for now

Suaad Al Hadhrami; Daryl Fougne

New York University Abu Dhabi

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Pupillometry during social gaze: Face-to-face vs video-communication

Kristen Lott; Zahra Hosseini; Nicholas Logan; Nikolaus F. Troje

York University

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Selective attention and audiovisual synchrony independently and interactively enhance visual processing

Jieru Chen¹; Wenjie Liu²; Shiqi Tan¹; Xiangyong Yuan¹; Yi Jiang¹

¹ Institute of Psychology, Chinese Academy Sciences; ² Beijing Huilongguan Hospital

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Idiosyncratic biases in audiovisual simultaneity and temporal order judgments

Yuki Murai

National Institute of Information and Communications Technology, Center for Information and Neural Networks

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Exploring the role of pupil dilation in perception of crowded stimuli in different cognitive tasks

Frol Sapronov; Anke Huckauf

Ulm University

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Temporal dynamics of three-dimensional natural scene perception in the human brain

Taiki Orima; Ban Hiroshi

National Institute of Information and Communications Technology

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Structure Learning and its Flexibility for Transfer Across Contexts

Rui Wang¹; Zhihan Gao¹; Zichao Liu²; Yiru Bao¹; Zoe Kourtzi³; Yi Jiang¹

¹ Chinese Academy of Sciences; ² Beijing Normal University; ³ University of Cambridge

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4-Dot Masking is not Modulated by Similarity – A Challenge for Object Updating

Josephine Reuther; Uwe Mattler

Georg-August University Göttingen, Georg-Elias-Müller Institute for Psychology

Monday, 25th August: Poster Session 2 (16.00 – 17.30)

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Auditory Experience Shapes Hierarchical Visual Rhythm Processing: Evidence from Congenitally Deaf and Hearing Individuals

Li Shen¹; Tingwei Yu²; Yadi Lan²; Jie Chen²; Ying Wang¹; Yi Jiang¹

¹ State Key Laboratory of Cognitive Science and Mental Health, Institute of Psychology, Chinese Academy of Sciences; ² School of Educational Science, Cognition and Human Behavior Key Laboratory of Hunan Province, Hunan Normal University
- 4

High distractibility predicts reduced task learning in multiple object tracking

Nika Adamian¹; Søren K. Andersen²

¹ Liverpool John Moores University; ² University of Southern Denmark
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Becoming Famous Overnight: A Visually Mediated False Fame Effect in Logotype Recognition

Berenika Nawoja Kostka de Sztemberg

Adam Mickiewicz University
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Modeling aesthetic experiences across dynamic natural inputs

Mustafa Alperen Ekinci; Daniel Kaiser

Justus Liebig University Gießen
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Feature-dependent perception of auditory apparent motion

Meike Charlotte Kriegeskorte; Elisabeth Hein

University of Tübingen
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Can an auditory signal pop out two visual targets? Yes, but it depends on individual audiovisual integration capacity.

Rong Zhang; Xiaoyu Tang

Liaoning Normal University
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An investigation of perceptual grouping across vision and touch

Alan O' Dowd; Fiona N Newell

University of Dublin, Trinity College Dublin
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In search of object colour representations using steady-state visually-evoked potentials

Ana Rozman; Abigail Flowers; Jenny Bosten

University of Sussex
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Gaze behavior during the everyday task of pouring liquid

Niteesh Midlagajni; Carola Stork; Constantin Rothkopf

TU Darmstadt
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Planned Study: EEG correlates of Object Optic Flow

Benedikt Valerian Ehinger; Martin Geiger

University of Stuttgart
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Numerical Cognition and Locomotion: An Embodied Investigation Using Virtual Reality

Tiziano Agostini; Angelica Ielo; Fabrizio Sors; Mauro Murgia

University of Trieste
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The Decline of Item Memory and Relational Memory in Older Adults With Subjective Cognitive Decline: An Eye-Tracking Study

Peng Zhang¹; Shaofeng Yang; Shiyi Li

¹ Tianjin Normal University
- 26

Perceptual learning of a crowding task: Partial transfer between visual hemifields

Tina Plank; Elena von Perponcher; Esther Ivanka Grätsch; Evamaria Meier; Mark W. Greenlee

University of Regensburg
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Facial monitoring with ARKit: Opportunities and limits

Nicholas Logan¹; Jesse K. Pazdera²; Naiqi G. Xiao²; Nikolaus F. Troje¹

¹ York University, Centre for Vision Research; ² McMaster University, Baby Lab
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Functional connectivity of visual-vestibular areas in the mid-sagittal cortex

Anton L. Beer; Markus Becker; Sebastian M. Frank; Mark W. Greenlee

Universität Regensburg
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Multisensory Processing and Redundant Signals Effect in a Steady-State Evoked Potential Paradigm

Alex Backler; Thomas Otto; Justin Ales

University of St Andrews
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Both Tactile and Visual Motion Enhance the Formation of Novel Object Categories

Martina A. Seveso; Rebecca J. Hirst; Alan O'Dowd; Fiona N. Newell

Trinity College Dublin
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Ocular saccades influence loudness perception more than button presses: The role of prediction error

Céline Paeye; Adrien Paire; Hélène Gomes de Araujo; Moth Majid; Roxanne Dadsetan; Dorine Vergilino-Perez

Laboratoire VAC - Université Paris Cité

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Visual but not lexical object frequency is predictive of gaze behavior during scene viewing

Alexandra Theodorou; John M. Henderson

University of California - Davis, USA

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Responding to random displacements of the target of a goal directed arm movement

Eli Brenner; Melissa L Vlasblom; Ivo Rap; Jeroen B.J. Smeets

Vrije Universiteit Amsterdam

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The mouth-eye effect: how smilig "lights up" the eyes

Giulia Parovel; Stefano Guidi

University of Siena (Italy)

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Shape Symbolism in Social Robot Design: The Influence of Rounded and Angular Contours

Yi-Chuan Chen¹; Hsin-Yu Chung²; Sung-En Chien²; Chien-Chun Yang²; Su-Ling Yeh²

¹ MacKay Medical College; ² National Taiwan University

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Tracking listening-related fatigue through eye and facial features: A data-driven approach

Anna Dreneva¹; Johannes Wiene²; Lorenz Fiedler²; Tobias May¹; Dorothea Wendt²

¹ Technical University of Denmark; ² Eriksholm Research Centre

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Facial Emotion and News Veracity Interact to Shape Speaker Trustworthiness but Independently Influence News Trustworthiness

Gabriel Rongyang Lau¹; Zihao Zhao¹; Shuyi Sun¹; Nicole Zhi Ee Ng²; Bee Chin Ng²; Hong Xu¹

¹ Psychology, School of Social Sciences, Nanyang Technological University, Singapore; ² Linguistics and Multilingual, School of Humanities, Nanyang Technological University, Singapore

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Learn Your Movements to Better Avoid Obstacles and Collisions - A Computational Model of a Collision-Sensitive Neuron

Matthias Keil

University of Barcelona (UB)

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Does Unpacking CO2 Emissions and Visualization of Travel Itinerary Impact Travel Choice?

Sabine Bremermann-Reiser; Daniele Catarci; Ester Reijnen

Zürcher Hochschule für Angewandte Wissenschaften (ZHAW)

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Vection and postural responses induced by spiral optic flow

Yasuhiro Seya

Aichi Shukutoku University

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Attentional Dynamics in 3D Space: Influence of Target Disparity and Background Structure

Satoko Otsuk

Saitama Institute of Technology

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Culture-mediated SNARC-like effect for visual speed

Michele Vicovaro; Maryam Jansarvatan; Anna Lorenzoni; Mario Dalmaso

University of Padova

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Humans actively shape their spatial uncertainties in navigation through coordinated head, body and eye-movements

Fabian Kessler; Julia Frankenstein; Constantin Rothkopf

Technical University of Darmstadt (TU Darmstadt), Department of Human Sciences, Institute for Psychology / Centre for Cognitive Science (DE)

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Evaluations of face classification images before and after adaptation

Kazusa Minemoto; Yoshiyuki Ueda

Kyoto University

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The role of variability in appearance and encounter condition in dynamic face learning

Wenrui Li; Raphaël Legrand; Christel Devue

University of Liège

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Shared neurophysiology for smooth pursuit and fixation systems in human vision?

Jevri Hanna; Benedikt Ehinger

University Stuttgart

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Characteristic of boundary extension in 7- to 8-month-old infants

Nanako Yamanaka¹; Megumi Kobayashi²; Nobu Shirai¹

¹ Rikkyo University; ² Niigata University

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Regularity and stimulus salience jointly but independently shape attentional prioritization

Shuo Li; Yi Jiang; Ying Wang

Institute of Psychology, Chinese Academy of Sciences

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An Eye Tracking Study on Symmetry and Golden Ratio in Abstract Art

Mariapia Lucia¹; Claudia Salera²; Pierpaolo Zivi¹; Marco Iosa¹; Anna Pecchinenda¹

¹ Sapienza University of Rome; ² Hospital Santa Lucia

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A simulation study of common factors in vision

Dario Gordillo; Sandali Liyanagoonawardena¹; Michael H. Herzog¹

¹ Ecole polytechnique fédérale de Lausanne (EPFL)

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Neuronal correlates of contrast and blur processing

Maria Lev; Oren Kadosh; Ziv Siman Tov; Uri Polat

Bar Ilan University

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A Picture is Worth More Than 15-60 Words: Low Correlation Between Memorability of Generated Images and Their Textual Prompts

Filip Děchtěrenko¹; Noemi Chraskova²; Jiri Lukavsky¹; Charlotte Atzert³; Niko Busch³

¹ Czech Academy of Sciences, Institute of Psychology; ² Charles University in Prague, Faculty of Arts; ³ University of Münster, Institute of Psychology

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How are Bayesian priors of interval reproduction learned over time?

Lucy McKeown¹; Neil Roach²

¹ Nottingham Trent University; ² University of Nottingham

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Excitatory/inhibitory ratio in the visual cortex of congenital vs. late blind humans

Waqar Khan¹; Rashi Pant¹; Bhavana Kolli²; Anuhya Nalluri²; Sunitha Lingareddy³; Ramesh Kekunnaya²; Brigitte Röder¹

¹ University of Hamburg; ² L V Prasad Eye Institute; ³ LUCID Medical Diagnostics

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Transcranial Random Noise Stimulation Reshapes the Contrast Sensitivity Function at the Central Visual Field

Simay Uner¹; Irem Akdogan¹; Berkay Istil²; Hulusi Kafaligonul³

¹ Department of Neuroscience, Aysel Sabuncu Brain Research Center, Bilkent University; ² National Magnetic Resonance Research Center (UMRAM), Bilkent University; ³ Neuroscience and Neurotechnology Center of Excellence (NOROM), Faculty of Medicine, Gazi University

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Inattention in Serial Dependence: A Bayesian Integration Approach Comparing Numerosity and Orientation Judgments

Lena Schädlich¹; Alicia Weithase¹; Alexander Pastukhov¹; Claus-Christian Carbon¹; Árni Kristjánsson²

¹ University of Bamberg; ² University of Iceland

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A ‘waving average’: testing the presence of oscillatory modulations in temporal summary statistics

Maëlan Q. Menétrey; Toscane Z. Revillard; David Pascucci

Psychophysics and Neural Dynamics Lab, Department of Radiology, Lausanne University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland; The Sense Innovation and Research Center, Lausanne, Switzerland

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The Role of Priming and Distractor Suppression in Ensemble Perception

Gizem Tanseli Kaspar; Sabrina Hansmann-Roth

University of Iceland

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Exploring the shape dependence on dynamic recognition of self- or friend-face

Sogo Yumura¹; Karen Lander²; Miyuki G. Kamachi³

¹ Graduate School of Engineering, Kogakuin University; ² University of Manchester; ³ School of Informatics, Kogakuin University

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A novel model of the collinear facilitation phenomenon

Frederik Beuth; Danny Kowerko

TU Chemnitz

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How many repetitions are needed to detect spatiotemporal visual regularities?

Hamit Basgol¹; Peter Dayan²; Volker H. Franz¹

¹ University of Tübingen; ² Max Planck Institute for Biological Cybernetics, Tübingen, Germany

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The Influence of Second-Order Relational Processing on Holistic Face Recognition

Tatsuya Yoshizawa; Kanta Sugisako; Soh Murasato

Kanagawa University

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Individual differences in how people expect a three-dimensional movement to map onto a two-dimensional display

Emily Crowe; Daniel Torres Ruiz; Ayse Kucukyilmaz

University of Nottingham

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Investigating image statistics and segmentation properties of dead leaves images

Swantje Mahncke; Ole Fabritz; Thomas S. A. Wallis

Technische Universität Darmstadt

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Perceptual tilt illusions also bias visually-guided action

Kieran Jason Pang¹; Fulvio Domini²; Katja Fiehler¹; Dimitris Voudouris¹

¹ Justus Liebig University Giessen; ² Brown University

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Statistical learning can impair encoding of information in episodic memory

Paweł Stróżak; Mateusz Chwaszcz; Weronika Mroccka; Hanna Zgorzelska; Paweł Augustynowicz

The John Paul II Catholic University of Lublin

Tuesday, 26th August: Poster Session 3 (10.00 – 11.30)

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Objects and Actions in Context: Understanding Scene Functions Based on Phrases and Anchors
Lea Müller Karoza; Melissa L.-H. Vo
Ludwig Maximilian University of Munich
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Attractiveness at first sight: Revisiting of the effect of symmetry on human facial attractiveness
Ayesha Ahmed; Treedom Beiyin Zhang; Olivia S. Cheung
New York University Abu Dhabi
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Subjective Time Dilation in Optic Flow: Effects of Visual Gravity and Motion Speed on Duration Estimation
Gergely Gerstmayer; Jason Clarke
School of Human and Social Sciences, University of West London
- 7

Rapid Activation of Beauty-Related Neural Representations Across Cortex
Philipp Flieger; Rico Stecher; Daniel Kaiser
Justus Liebig University Gießen
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Community based eye-tracking and healthy food choice: opportunities and challenges
Eugene McSorley; Wanyin Li; Rachel McCloy
University of Reading
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An illusion of absence in a VR traffic scenario
Subhankar Karmakar¹; Melika Miralem¹; Pierre-Pascal Forster²; Rob van Lier²; Vebjørn Ekroll¹; Marcin Czub³
¹ University of Bergen; ² Radboud University; ³ University of Wrocław
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Counter-predictive cueing: overriding gaze leads to longer saccade latencies than overriding arrows
Inka Schmitz; Wolfgang Einhäuser
Chemnitz University of Technology
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Confidence about correct decisions is increased at the saccade target
Patricia R. Mueller; Wolfgang Einhäuser
Chemnitz University of Technology
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The similarity of similarity tasks: Comparing eight different measures of similarity.
Malin Styrnal¹; Laura Stoinski²; Philipp Kaniuth²; Martin N. Hebart¹
¹ Justus Liebig University Giessen, Giessen, Germany; ² Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
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Visual Discrimination of Complex Naturalistic Stimuli
Mina Glukhova
Ernst Strüngmann Institute for Neuroscience
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Perturbation detection and pupillary responses in split-belt walking
Carl Müller; Karl Kopiske
Chemnitz University of Technology
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No Evidence for Enhanced Sensory Imagery in Synaesthetes using Psi-Q Assessment
Árni Gunnar Ásgeirsson¹; Hulda Björk Gunnarsdóttir²; Hrafnhildur Ólafsdóttir²; Inga María Ólafsdóttir³; Heida Maria Sigurdardottir²
¹ University of Akureyri; ² University of Iceland; ³ Reykjavik University
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Combining Social Norm Nudges for Sustainable Online Meal Choices
Daniele Catarci; Lars Bläuer; Ester Reijnen
Zürcher Hochschule für Angewandte Wissenschaften (ZHAW)
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When perceptual uncertainty must be predictable – EEG correlates of perceptual uncertainty processing across stimulus repetitions
Shalita T. Freitag¹; Maximilian Billian¹; Mareike Wilson¹; Ludger Tebartz van Elst²; Jürgen Kornmeier¹; Ellen Joos¹
¹ Institute for Frontier Areas of Psychology and Mental Health, Freiburg, Germany; ² Medical Center, University of Freiburg, Freiburg, Germany
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The prior Stroop task affects the performance of facial recognition
Shuma Fujikawa; Kyoko Hine; Tetsuto Minami; Shigeki Nakauchi
Toyohashi University of Technology
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Testing high-speed OLED monitors (240 Hz & 480 Hz) for vision science: Advantages & Artifacts
Olaf Dimigen; Arne Stein
University of Groningen
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Bayesian estimation of intra-individual variability in visual attention capacity and weight distribution
Ngoc Chi Banh; Ingrid Scharlau
Paderborn University
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Adaptation of Serial Dependence in Visual Working Memory Reflects Target Fidelity, not Inducer Fidelity
Bugay Yildirim; Aysecan Boduroglu
Koç University

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Stepwise learning of multidimensional visual stimuli by pigeons

Olga Vyazovska

Kharkiv International Medical University

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Who is the better operator, and why? A large-sample study of delayed visual target operation: Insights from individual differences and gaze behaviour

Yasunaga Monno; Junhui Kim; Takako Yoshida

Institute of Science Tokyo (Tokyo Institute of Technology)

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Uncovering Strategy Variability in Working Memory Use with Hidden Markov Models

Tianying Qing; Christoph Strauch; Stefan van der Stigchel; Leendert Van Maanen

Utrecht University

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Shooting the red target: How critical is colour perception in police operations?

Ilgin Cebioglu; Harpreet Dlay; Jan Kucera; Gabriele Jordan; Anya Hurlbert

Newcastle University

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The impact of presentation duration on psychophysical and P300-based visual acuity estimation with the FreiBurger and the Landolt C

Julia Haldina¹; Marc Gottschling²; Sven P. Heinrich¹

¹ Eye Center, Medical Center – University of Freiburg ; ² University of Freiburg

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Is beauty in the eye of the beholder? Influences of implicit racial and gender biases on facial attractiveness judgments

Treedom Beiyin Zhang; Ayesha Ahmed; Olivia S. Cheung

New York University Abu Dhabi

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Perceiving body weight: SNARC-like spatial mapping in the visual evaluation of human bodies

Loris Brunello; Anna Lorenzoni; Michele Vicovaro; Mario Dalmaso

University of Padova

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Response strategy—natural or instructed—determines the direction of serial dependence

Aviel Sulem; Merav Ahissar

Hebrew University of Jerusalem

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No attention - no ensembles

Anton Lukashovich¹; Sabrina Hansmann-Roth¹; Igor Utochkin²; Heida Maria Sigurdardottir¹

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Following the Furrow Illusion Further

Anna Riga¹; Stuart Anstis²; Ian M. Thornton¹; Patrick Cavanagh³

¹ University of Malta; ² University of California San Diego; ³ Glendon College, CVR, York University

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Sustained Posterior Negativity (SPN) in Response to Natural, Uncontrolled Symmetrical Stimuli

Carolina Maria Oletto¹; Andrea Ghiani¹; Luca Battaglini¹; Antonino Vallesi¹; Patrizia Bisiacchi¹; Alexis Makin²; Marco Bertamini¹

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Chiahuei Tseng¹; Zhan Dai²; Miao Cheng¹; Ken Fujiwara³; Yangyang Cai⁴; Shoi Higashiyama¹; Yoshifumi Kitamura⁴; Satoshi Shioiri⁴

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Expanding Perimetry: A Novel Motion Based Screening Test

Richie Connors¹; Bjørn Helland-Hansen¹; Minke de Boer²; Frank Lindseth³; Frans W. Cornelissen²

¹ Bulbitech AS; ² University Medical Center Groningen; ³ NTNU Norwegian University of Science and Technology

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Effects of visual attention in the Pulvinar at 7T fMRI

Giacomo Mazzotta¹; Miriam Acquafredda¹; Laura Biagi²; Michela Tosetti^{2,3}; Maria Concetta Morrone¹; Paola Binda¹

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Exploring Saccade-Onset Event-Related Potentials for Face Perception in the Real World

Debora Nolte¹; Aitana Grasso-Cladera¹; Alina Zaidan¹; Aiko-Theres Dubrall¹; Aziz Muhammed Akkaya¹; Tim C. Kietzmann¹; Peter König^{1,2}

¹ University of Osnabrück; ² University Medical Center Hamburg-Eppendorf

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Chihiro Asanoi; Koichi Oda

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Kaitlin Moat; Philip Grove; Stefanie Becker; Alan Pegna; Guy Wallis

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Hong-Syuan Lee¹; Li Jingling²

¹ College of Medicine, China Medical University; ² Graduate Institute of Biomedical Sciences, China Medical University

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Christof Körner¹; Živa Korda¹; Iain D. Gilchrist²

¹ University of Graz; ² University of Bristol

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Center-Surround Suppression of Motion Perception in Children

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¹ Chukyo University; ² Brown University; ³ Rikkyo University

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Naoki Kuroda¹; Souta Hidaka²; Wataru Teramoto¹

¹ Kumamoto University; ² Sophia University

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Visual detection of elementary image features during natural behaviour

Jun Yang¹; Simone Azeglio^{1,2}; Peter Neri¹

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Donders Institute for Brain, Cognition and Behaviour, Radboud University

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Omar Bachtoula¹; Ichasus Llamas Cornejo¹; María Martín-García¹; David H. Peterzell²; Ignacio Serrano-Pedraza¹

¹ Universidad Complutense de Madrid; ² Fielding Graduate University

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Investigating speed perception with the beep-speed illusion

Simon Merz¹; Christian Frings¹; Hauke S. Meyerhoff²

¹ University of Trier; ² University of Erfurt

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Continuous Psychophysics Facilitates the Assessment of Spatiotemporal Properties of Visual Crowding

Dilce Tanriverdi; Frans W. Cornelissen

University Medical Center Groningen

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Comparing Size Discrimination in Visuomotor and Perceptual Judgements

Tanja Huber¹; Kriti Bhatia¹; Angela Osenberg¹; Frederic Goehringer²; Thomas Schenk²; Markus Janczyk³; Volker H. Franz¹

¹ University of Tuebingen, Germany; ² Ludwig-Maximilians-University Munich; ³ University of Bremen
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Development of lateralized processes in facial expression recognition

Kanade Mori; Hikaru Nozawa; So Kanazawa; Riku Umekawa; Masami K. Yamaguchi
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Maximilian P. Wolkersdorfer; Omar Jubran; Thomas Schmidt

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Dan Wang; Surya Gayet; Kabir Arora; Stefan van der Stigchel; Samson Chota

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The Influence of TMS-Induced Perturbation of Egocentric and Allocentric Brain Hubs on Reach Accuracy and Precision

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Infants look longer at images the less natural the image content and mid-level image statistics are associated with this ‘artificial bias’

Katherine Alexandra Symons^{1,2}; Anna Franklin¹; Alice Elizabeth Skelton^{1,2}

¹ The Sussex Baby Lab, University of Sussex; ² Nature and Development Lab, University of Sussex
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Barbara F. Mühlbauer; Felix A. Wichmann

Eberhard Karls Universität Tübingen
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Touch screens in hypergravity: G-load cannot be adequately simulated outside a centrifuge

Andreas Schmidt¹; Carla Aulenbacher²; Oliver Daum¹; Heiko Hecht²

¹ Bundeswehr; ² Johannes Gutenberg University Mainz
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Sun Dogs & View Boosting

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Spatial Expectations do not alter Temporal Judgements

Alina Krug; Marian Sauter; Anke Huckauf

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Stand tall, feel bright? How bodily affordance and the experience of embodiment shape emotion regulation

Yi-Min Tien^{1,2}; Pin-Yun Lin¹; Chia-Yao Lin³; Li-Chuan Hsu³

¹ Chung Shan Medical University; ² Chung Shan Medical University Hospital; ³ China Medical University
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The impact of prior information on hallucinatory perception in healthy observers

Markus Grüner; Uwe Mattler

University of Göttingen
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Do You Like Your Body? Exploring Body Dissatisfaction and Body Size Distortion Through Eye-Tracking and the Influence of Idealized Bodies on Social Media

Ling-Yen Kang¹; Li-Chuan Hsu²; Chia-Yao Lin²; Yi-Min Tien³; Da-Lun Tang⁴

¹ Department of Public Health, China Medical University, Taichung, Taiwan; ² School of Medicine, China Medical University, Taichung, Taiwan; ³ Department of Psychology, Chung Shan Medical University, Taichung, Taiwan; ⁴ Department of Mass Communication, Tamkang University, New Taipei City, Taiwan
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Does target template matching benefit from repeated contexts in visual search?

Feifei Zhao; Markus Conci

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Spectral analysis of the effect of a stationary background on smooth pursuit eye movements

Xin Liu; Aurelio Bruno; Douglas J.K. Barrett; David Souto

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Investigating the Effect of Simulated Scotomas on Gaze Behavior during Navigation in Virtual Reality

Safa Andac¹; Jasmin L. Walter²; Khaldoon Al-Nosairy¹; David L. Mann³; Peter König²; Michael B. Hoffmann¹

¹ Otto-von-Guericke University Magdeburg; ² University of Osnabrück; ³ Vrije Universiteit Amsterdam
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Estimation of reward expectation using modeled attention and ocular metrics during the playing of a card game

Minoru Nakayama

Institute of Science Tokyo (Tokyo Institute of Technology)
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The Effect of Visual Field Asymmetries on the Timing of Perceptual Events

Julia Papiernik-Kłodzińska; Renate Rutiku

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Pi-Chun Huang¹; Liang-Sheng Chang; Yi-Chuan Chen

¹ National Cheng Kung University

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Paul Smith; Niko Busch

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Saija Niemi; Maria Olkkonen; Toni Saarela

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Saccade onset, not fixation onset, best explains early responses across the human visual cortex during naturalistic vision

Carmen Amme¹; Philip Sulewski¹; Eelke Spaak²; Martin Hebart³; Peter König¹; Tim C. Kietzmann¹

¹ Osnabrueck University; ² Radboud University, Donders Institute for Brain, Cognition, and Behaviour, Nijmegen, The Netherlands; ³ Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany

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Katharina Limbach; Paulina Swinke; Sarah Weigelt

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Perceptual Learning of a Crowding Task in Patients with Central Vision Loss

Elena von Perponcher¹; Mark W. Greenlee¹; Herbert Jägle²; Tina Plank¹

¹ University of Regensburg; ² University Hospital Regensburg

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Can we see with two virtual eyes, asynchronously controlled by a single analogue stick?

Yasunobu Katsumata¹; Yasuyuki Inoue²; Takayoshi Hagiwara³; Satoshi Toriumi⁴; Michiteru Kitazaki⁴

¹ National Institute of Technology, Numazu College; ² Toyama Prefectural University; ³ National Institute of Technology, Nagano College; ⁴ Toyohashi University of Technology

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¹ Humboldt-Universität zu Berlin; ² Dartmouth College

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Nikos Gekas; Giulia Colantonio; Duncan Carmichael

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EEG and eyetrackig correlates of cognitive load in text reading and arithmetic tasks

Elena Rybina¹; Taisiya Loginova¹; Daria Phillipova; Timofei Berezner

¹ HSE University

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Walking modulates numerosity perception at the step rate

Eleonora Chelli; Cameron Kyle Phan; David Alais

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Binocular and monocular blur affect the planning and online control of prehension movements.

Rachel O. Coats¹; William Sheppard¹; Carlo Campagnoli¹; Richard M. Wilkie¹; Rigmor C. Baraas²

¹ University of Leeds; ² University of South-Eastern Norway, Kongsberg

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Learning Speed Predicts the Retention of Category Structure in Fast and Slow Learners

Johannes Schultz-Coulon¹; Anna Lawrance²; Daniela O. Gonzalez²; Kiera Ludlow²; Brett D. Roads³; James W. Tanaka²

¹ Maastricht University; ² University of Victoria; ³ University College London

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Reproducible eyeblink timings observed in string quartet performers during concerts

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Limits of visual plasticity: No effect of short-term monocular deprivation in parafoveal visual crowding

Jan W. Kurzawski¹; Julia Zasada²; Antoine Prosper²; Claudia Lunghi²

¹ Maastricht University; ² École normale supérieure, PSL University, CNRS

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Active removal of information from working memory invokes the concerted recruitment of distributed neocortical regions

Renata Cruz; Thomas Christophel

Humboldt-Universität zu Berlin

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Tuning flexibility for target templates, not for distractor templates

Sizhu Han¹; Lea Marie Schmitt²; Anna Schubö¹

¹ Philipps-University Marburg; ² Justus-Liebig-University Giessen

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Identifying the ipRGC scotoma through the pupillary light reflex

Pablo A. Barrionuevo; Alexander C. Schütz

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Inequality and the visual environment: Scene statistics as a predictor of the socio-economic characteristics of urban neighbourhoods.

Shoaib Nabil; Max Lovell; Matthias Gobel; John Maule

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Comparing visual skills in children with and without learning difficulties: insights into school performance

Carina Schücker; Jule Lohmann; Katharina Limbach; Sarah Weigelt

TU Dortmund University

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Is object shape recognition also a matter of the dorsal visual stream? A ccPAS Registered Reoport study.

Elena Bertacco¹; Francesca Saviola²; Edoardo Paolini¹; Agnese Tamanti¹; Francesca Benedetta Pizzini¹; Silvia Francesca Storti¹; Debora Brignani³; Silvia Savazzi¹; Daniele Corbo³; Chiara Bagattini¹; Chiara Mazzi¹

¹ University of Verona; ² Ecole polytechnique fédérale de Lausanne (EPFL); ³ University of Brescia

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Simulating the effect of visual instability on reading skill

Liam Jordan; Kevin B. Paterson; David Souto

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Blink and Release: Validating an Online Tool for Eye Blink Detection and Investigating the Link Between EBR and Attention

Ronen Hershman¹; Yoav Bar-Anan²; Ayelet Sapir³

¹ University of Innsbruck; ² Tel Aviv University; ³ University of Greenwich

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Cortical traveling waves in orthogonal retinotopic maps produce distinct patterns on the surface of the scalp

Kirsten Petras¹; Hayley Yingxuan Wu²; Laetitia Grabot³; Laura Dugué⁴

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Multisensory Perception of Biological Motion: Auditory Time Intervals Shape Perceived Speed

Sudenur Ozkan¹; Şeyma Koc Yilmaz²; Hulusi Kafaligonul³

¹ Department of Neuroscience, Aysel Sabuncu Brain Research Center, Bilkent University, Ankara, Türkiye; ² National Magnetic Resonance Research Center (UMRAM), Bilkent University, Ankara, Türkiye; ³ Neuroscience and Neurotechnology Center of Excellence (NOROM), Faculty of Medicine, Gazi University, Ankara, Türkiye

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Jason Lutz; Heiko Hecht; Christoph von Castell

Johannes Gutenberg University Mainz

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Temporal evolution of gaze responses to target perturbations

David Franklin¹; Dimitris Voudouris²

¹ Technical University of Munich; ² Justus Liebig University Giessen
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Decoding Dynamic Changes in Stimulus Categories from EEG Responses

Ilker Duymaz; Micha Engeser; Daniel Kaiser

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Time-to-collision estimation in the Oppel-Kundt illusion

Carolin Sweeney; Heiko Hecht; Christoph von Castell

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The impact of monitor position on gap acceptance judgments in camera-monitor systems

Elisabeth Wögerbauer; Heiko Hecht

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Objects in vista space are misrepresented as being too close in a spatial updating task

Leonie Hirsch¹; Anna Luisa Maier¹; Nuno De Sá Teixeira²; Michel-Ange Amorim³; Christoph von Castell¹; Heiko Hecht¹

¹ Johannes Gutenberg University Mainz; ² University of Aveiro, Campus Universitário de Santiago; ³ Université Paris-Saclay, Inria, CIAMS
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Dyadic Learning With a High-proficiency Partner Specifically Fosters Gaze-Mediated Social Attention

Shujia Zhang; Bin Zhan; Li Wang; Yi Jiang

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Charlott Wendt; Guido Hesselmann

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Novel approach to assess oculomotor behaviour in amblyopia during naturalistic tasks

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GridSamp: An Open-Source Python Toolbox for Flexible Grid-Based Image Sampling

Leemans Maarten; Christophe Bossens; Johan Wagemans

University of Leuven (KU Leuven)
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Decoding auditory working memory load from EEG alpha oscillations

Yichen Yuan¹; Surya Gayet; Derk Wisman; Stefan van der Stigchel; Nathan van der Stoep

¹ Utrecht University
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EEG activity in response to disocclusion of objects appearing from seemingly empty spaces

Pierre-Pascal Forster¹; Sebastian Jentschke²; Vebjørn Ekroll²; Rob van Lier¹

¹ Radboud University, Donders Institute for Brain, Cognition, and Behaviour, Nijmegen, The Netherlands; ² Department of Psychosocial Science, University of Bergen, Bergen, Norway
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Evaluating Pupil Size as a Continuous Marker of Attentional Breadth

Marleen Abbestee; Christoph Strauch; Chris Paffen; Stefan van der Stigchel

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The Relationship Between Social Anxiety Tendencies and Pupil Size Responses

Rumi Hisakata; Ao Gao; Hirohiko Kaneko

Institute of Science Tokyo (Tokyo Institute of Technology)
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Limitations of Fast Periodic Visual Stimulation in Capturing the Neural Face Inversion Effect

Lisa Stacchi; Fazilet Zeynep Yildirim-Keles; Roberto Caldara

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Pragya Pandey; Mark Wexler

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Marius Grandjean; Mehmet Umut Canoluk; Valérie Goffaux

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Eiichi Mitsukura; Yasuhiro Seya

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Rubber hand illusion in Alice in Wonderland syndrome

Godai Saito¹; Gen Takagi²

¹ Tohoku University; ² Tohoku Fukushi University

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Federico D'Atri¹; Murgia Mauro¹; Valter Prpic²; Luisa Lugli³; Carlo Fantoni¹

¹ University of Trieste; ² eCampus; ³ University of Bologna

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Can children integrate audio-visual motion cues with shape in the formation of object categories?

Eimear M. McKenna; Fiona N. Newell

Trinity College Dublin

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Eye gaze reinstatement during naturalistic viewing and memory retrieval in children, adults and artificial intelligence models

Iryna Schommartz^{1,2}; Bhavin Choksi³; Gemma Roig^{3,4}; Yee Lee Shing^{1,2}

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Reverse Correlation of Natural Statistics for Ecologically-Relevant Characterization of Human Perceptual Templates

Lorenzo Landolfi¹; Peter Neri²

¹ Istituto Italiano di Tecnologia; ² École Normale Supérieure

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Characteristic differences in eye movements in people with Parkinson’s disease

Varun Padikal¹; Maria Villamil²; Penelope F. Lawton¹; Jiahe Cui²; Dana Turner²; Allie C. Schneider²; Hannah E. Smithson²; Jenny C.A. Read¹; Laura K. Young¹

¹ Newcastle University; ² University of Oxford

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Constantin C. Ketz; Michael Bach; Sven P. Heinrich

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Deep Learning-Based Optic Chiasm Segmentation in MRI to Investigate Glaucoma-Related Visual Pathway Changes

Amir Reza Naderi Yaghouti¹; Khaldoon Al-Nosairy¹; Robert Puzniak; Michael Hoffmann¹

¹ Otto-von-Guericke-University Magdeburg

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Comparing the Robustness of Steady-State Visual Evoked Potentials Across Different Stimulus Features

Sofiia Honcharova¹; Renate Rutiku²

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Using generative adversarial networks to study the effect of familiarity on face perception

Magdalena Lazarczyk; Hantao Liu; Walter Colombo; Christoph Teufel; Victor Navarro

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Infants' reorienting efficiency depends on parental autistic traits and predicts future socio-communicative behaviors

Simone Gori¹; Luca Ronconi; Cantiani Chiara; Valentina Riva; Laura Franchin; Roberta Bettoni; Herman Bulf; Eloisa Valenza; Andrea Facoetti²

¹ University of Bergamo; ² Università of Padua

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Examining the Speed-Accuracy Trade-Off in Perceptual Decision-Making in Adults with ADHD

Abbie Robinson¹; Ken Kilbride²; Redmond G. O'Connell³; Catherine Fassbender¹; David P. McGovern¹

¹ Dublin City University; ² ADHD Ireland; ³ Trinity College Dublin

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The metacognitive Chimera: are two heads are better than one?

Nicola Domenici; Marc O. Ernst

Universität Ulm

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Predictive and Retrospective Components of Causal Impressions

Lina Eicke-Kanani¹; Lukas Maninger¹; Anna-Lena Eckert²; Christina Schmitter²; Benjamin Straube²; Thomas Wallis¹

¹ Technical University of Darmstadt; ² Philipps Universität Marburg

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Short-term monocular deprivation releases the deprived eye from interocular suppression without altering suppression depth.

Claudia Lunghi¹; Izel D. Sari¹; David Alais²

¹ Ecole normale Supérieure & CNRS; ² The University of Sydney, School of Psychology, Sydney, Australia

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Blur tolerance in different subject’s refraction profiles: A new visual perception metric

Pablo Concepcion-Grande; Marta Álvarez; Clara Benedi-Garcia; Carmen Cano; Amelia Gonzalez Dosal; Eva Chamorro; Jose Miguel Cleva

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The Role of Location in Visual Short-Term Memory Comparison Processes

Lauren Hebburn; Michael Pilling; Olivia Afonso

Oxford Brookes University

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Unraveling Memory Engrams For Basic Visual Features

Marius Kreis¹; Sara-Estelle Lindwein²; Sebastian Müller¹; Svenja Brodt¹

¹ Max Planck Institute for Biological Cybernetics, Tübingen, Germany; ² Ludwig-Maximilians-Universität, München, Germany

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Bridging Conflicting Views on Eye-Position Signals: A Neurocomputational Approach to Perisaccadic Perception

Nikolai Stocks

Technische Universität Chemnitz

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Auditory Pitch Influence on Ensemble Processing of Visual Features: Evidence for Crossmodal Facilitation of Shape Processing

Chien-Chun Yang¹; Yi-Chuan Chen²; Su-Ling Yeh¹

¹ National Taiwan University; ² MacKay Medical College

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Movement and Visual Attention Shapes Tactile Perception

Pierangelo Nicolás D'Onofrio Pacheco; Eckart Zimmermann

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Impaired sustained attention as a cognitive and neurophysiological marker of ME/CFS, assessed using pupil frequency tagging

Anosha Altaf; Montana R. Hunter; David Souto; Doug J. K. Barrett

University of Leicester

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A new massive multi-echo 7T fMRI dataset for broad representational sampling

Josefine Zerbe^{1,2}; Johannes Roth¹; Maggie Mae Mell¹; Tomas Knapen^{3,4,5}; Martin Hebart^{1,2,6}

¹ Justus Liebig University Gießen; ² Max-Planck Institute for Human Cognitive and Brain Sciences, Leipzig; ³ Spinoza Centre for Neuroimaging, Amsterdam; ⁴ Netherlands Institute for Neuroscience, Amsterdam; ⁵ Vrije Universiteit, Amsterdam; ⁶ Center for Mind, Brain, and Behavior, Universities of Marburg, Giessen, and Darmstadt

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Effects of Restricted Peripheral Field-of-View, “Field-Dependence”, and “Mental-Rotation” on Navigation performance

Michael Wagner; Or Oren; Aharon Gorodishizer

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Neural decoding of viewpoint-tolerant object representations in 6-month-old infants and adults

Mahdiyeh Khanbagi; Tijl Grootswagers; Manuel Varlet; Antonia Goetz; Genevieve Quek

Western Sydney University

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Disentangling Effects of Object Semantics on Visual Search: Thematic vs. Taxonomic Effects

Lu-Chun Yeh¹; Marius Peelen²; Daniel Kaiser¹

¹ Justus Liebig University Gießen; ² Donders Institute for Brain, Cognition and Behaviour, Radboud University

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Beyond Speed: Response Time Variability Uncovers Hidden Differentiation in Contextual Cueing

Xuelian Zang¹; Hongyu Yang^{1,2}; LiMei Shao³; Jiao Wu⁴

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Near vision training Overcomes Blurred Retinal Input, and Provides Presbyopic Subjects with Lifetime Prevention from the Dependency for Reading Glasses.

Ziv Siman Tov; Maria Lev; Oren Kadosh; Uri Polat

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Scalp event-related potentials (ERPs) reflect distinct neural processes for attention shifts, perception, and decision-making in a visual search task

Vladislav Aksiotis¹; Junhao Liang²; Li Zhaoping¹

¹ Max Planck Institute for Biological Cybernetics; ² University of Tuebingen, Germany

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Intensified tryphobia during the pandemic
Shu Imaizumi
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Conflicting heading biases explained by different reference frames
Renate Reisenegger¹; Ambika Bansal²; Laurence R. Harris²; Frank Bremmer¹
¹ Philipps Universität Marburg ; ² York University
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Interpersonal pupil synchronization during high-engagement team plays
Hsin-I Liao¹; Maxwell Montemayor²; Katelyn Haly²; Makio Kashino¹; Shinsuke Shimojo²
¹ NTT Communication Science Laboratories; ² Caltech
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The impact of mental imagery and sensory sensitivity on visual perception
Katerina Christodoulou¹; Reshanne Reeder²; Merlin Monzel³; Emiel Krahmer¹; Tessa M. van Leeuwen¹
¹ Department of Communication and Cognition, Tilburg University, Tilburg, the Netherlands; ² Department of Psychology, Institute of Population Health, University of Liverpool, Liverpool, United Kingdom; ³ Department of Psychology, University of Bonn, Germany
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Veronica Pisu¹; Omer F. Yildiran²; Chloe Lam¹; Saivydas Villani¹; Pascal Mamassian³; Dominik Straub⁴; Constantin A. Rothkopf⁴; Guido Maiello¹
¹ University of Southampton; ² New York University; ³ ENS Paris; ⁴ TU Darmstadt
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Hans Strasburger¹; Nicholas Wade²
¹ LMU München; ² University of Dundee
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Visual Divided Attention in 2D/3D Multiple Object Tracking Tasks in a VR Environment
Yuting Huang; Rumi Hisakata; Hirohiko Kaneko
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The Relationship Between Visually Induced Motion Sickness Severity and the Cognitive Load of Auditory Tasks
Rei Usami; Masaki Ogawa
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MooneyMaker: A Python package to automatically create ambiguous Mooney (two-tone) images
Lars C. Reining¹; Thabo Matthies¹; Rabea Turon¹; Thomas S. A. Wallis^{1,2}
¹ Technical University of Darmstadt, Germany; ² Centre for Mind, Brain and Behaviour (CMBB), Universities of Marburg, Giessen and Darmstadt, Germany
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Barnabás Molnár; Ádám Koblinger; József Fiser
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Modeling non-rigid motion perception using Gaussian process in the vector field
Wataru Suzuki¹; Shin’ichi Asakawa²; Wakayo Yamashita³; Hiroshige Takeichi¹
¹ RIKEN; ² Tokyo Woman's Christian University; ³ Kagoshima University
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Alexander C. Schütz¹; Rozana Ovsepian¹; David Souto²
¹ University of Marburg; ² University of Leicester

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Beyond the Noise: The Complex Interplay of Past and Present Uncertainty in Serial Dependence

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¹ University of Padua; ² University of Iceland; ³ University of Bergen

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How central distractors affect phenomenal appearance, sensitivity, and confidence in the periphery

Esma Dilara Yavuz¹; Carolina Maria Oletto¹; Giulio Contemori¹; Luca Battaglini¹; Matteo Valsecchi²; Marco Bertamini¹

¹ Università di Padova; ² University of Bologna

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Gaze behavior during medical skill acquisition: the role of prior knowledge and repetition

Taiki Kohama¹; Sogo Yumura¹; Miyuki G. Kamachi²

¹ Graduate School of Engineering, Kogakuin University; ² School of Informatics, Kogakuin University

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Ghazaleh Ghamkhari Nejad¹; Atefeh Bahrami¹; Anna Bognár¹; Albert Mukovskiy²; Martin Giese²; Rufin Vogels¹

¹ KULeuven; ² Hertie Institute for Clinical Brain Research

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A conceptual replication of target selection during conjunction foraging

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¹ University of Iceland; ² University of Akureyri; ³ University of Essex

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Smooth Pursuit Eye Movements and Perceptual Alternations in an Ambiguous Motion Grid Paradigm

Vasiliki Myrodia^{1,2}; Anna Montagnini²; Laurent Madelain¹

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The role of mental imagery in visual search within working memory

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Overcoming Social Perception Challenges in Nonverbal Human-Robot Communication

Yu Fang¹; Matti Krüger²

¹ Honda Research Institute Japan Co., Ltd.; ² Honda Research Institute GmbH

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Sven P. Heinrich; Julia Haldina; Leon Pfeiffer

University of Freiburg

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Decoding Oscillatory Patterns of Attention Load in Perceived Visibility Using Multivariate EEG Classification

Irem Akdogan¹; Haluk Ogmen²; Hulusi Kafaligonul³

¹ Department of Neuroscience, Aysel Sabuncu Brain Research Center, Bilkent University, Ankara, Turkiye; ² Laboratory of Perceptual and Cognitive Dynamics, Electrical & Computer Engineering, Ritchie School of Engineering & Computer Science, University of Denver, Denver, CO, USA; ³ Neuroscience and Neurotechnology Center of Excellence (NOROM), Faculty of Medicine, Gazi University, Ankara, Turkiye

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The Influence of Trait Anxiety on Emotional Face Perception: A Probit Function Analysis

Li-Chuan Hsu¹; Pi-Chun Huang²; Chia-Yao Lin¹; Yi-Min Tien³

¹ College of Medicine, China Medical University; ² National Cheng Kung University; ³ Chung Shan Medical University

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Elina Troost; Alina Bauer; Christoph von Castell

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Berkay Istil¹; Simay Uner²; Irem Akdogan²; Hulusi Kafaligonul³

¹ National Magnetic Resonance Research Center (UMRAM), Bilkent University; ² Department of Neuroscience, Aysel Sabuncu Brain Research Center, Bilkent University; ³ Neuroscience and Neurotechnology Center of Excellence (NOROM), Faculty of Medicine, Gazi University

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Niklas Döbler; Claus-Christian Carbon

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Optimal Transport as a Model for Sub-Letter Orthographic Processing

Jack Taylor^{1,2}; R. Sinn¹; C. Iaia¹; C. J. Fiebach^{1,3}

¹ Department for Psychology, Goethe University Frankfurt, Frankfurt am Main, Germany; ² School of Psychology and Neuroscience, University of Glasgow, Glasgow, United Kingdom; ³ Brain Imaging Center, Goethe University Frankfurt, Frankfurt am Main, Germany

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Respiration modulates time estimation of brief intervals in humans

Jinhui Guo; Wen Zhou; Bin Zhou

State Key Laboratory of Cognitive Science and Mental Health, Institute of Psychology, Chinese Academy of Sciences

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Holistic and part-based face recognition in autism

Mette Elmoose Andersen¹; Linnea Brønnum¹; Esben Helby Mandahl¹; Christian Gerlach²

¹ University of Southern Denmark; ² Aalborg University

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A continuous adjustment task allows for better understanding of visual feature integration in a Sequential Metacontrast Paradigm

Marie Holdsworth¹; Maëlan Q. Menétrey²; Can Oluk¹; Michael H. Herzog

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Hidemi Komatsu¹; Kayoko Murata²

¹ Keio University; ² Kobe Gakuin University

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Confounding effects of stimulus-specific biases on serial dependence

Ayberk Ozkirlı¹, Andrey Chetverikov², David Pascucci^{1,3,4}

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Perceived Curvature Predicts Contour Liking Across Stimulus Categories

Erick Gustavo Chuquichambi¹; Claudia Damiano²; Dirk B. Walther²; Enric Munar¹

¹ University of the Balearic Islands; ² University of Toronto

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Visual mental imagery enhances emotional responses to positive but not negative episodic memories

Emma Austin¹; Emmanuel Ale; Edwin Burns²; Reshanne Reeder¹

¹ University of Liverpool; ² Swansea University
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What is the impact of digital twin models on visual perception?

Kazim Hilmi Or

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Microstimulation of V4 Domains Causally Modulates Visual Perception in Non-Human Primates

Younes Valibeigi; Christopher C. Pack

Montreal Neurological Institute, McGill University, Quebec, Canada
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Amodal completion in natural scenes

Roberto Scott Luciani¹; Paul Henderson¹; Michele Sevegnani¹; Lars Muckli¹; Benjamin Peters²

¹ University of Glasgow; ² University of Edinburgh
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The path from vision to feelings: comparing the performance of explicit models and neural networks in predicting affective responses to indoor environments

Fatih Deniz; Kynthia Chamilothon; Linghan Zhang; Yvonne de Kort

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The role of local curvature maxima and minima and information in the recognition of artificial and natural planar shapes

Gunnar Schmidtmann¹; Nicholas Baker²; Kevin Lande^{3,4}; Filipp Schmidt⁵

¹ Eye & Vision Research Group, University of Plymouth, Plymouth, United Kingdom; ² Department of Psychology, Loyola University Chicago, Chicago, IL, United States; ³ Department of Philosophy, York University, Ontario, Canada; ⁴ Centre for Vision Research, York University, Ontario, Canada; ⁵ Justus Liebig University Giessen
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Rodrigo Freitas¹; Samuel De Sousa Silva¹; Nuno De Sá Teixeira²

¹ University of Aveiro; ² William James Center for Research
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A Machine Learning Approach to Predict Valence and Arousal in Virtual Reality Using Eye-Tracking

Michał Kuniecki¹; Beata Pacula-Leśniak¹; Agata Szymańska¹; Paweł Jemioło²

¹ Jagiellonian University, Institute of Psychology; ² AGH University of Krakow
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Laysa Hedjar; Florian S. Bayer

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One object, two features: Probing ensemble perception with emotion-tinted faces

Sabrina Hansmann-Roth¹; Jason Haberman²; Anton Lukashevich¹

¹ University of Iceland; ² Rhodes College
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Simulation of amodal completion using recurrent CNN considering the architecture of the visual system

Ryoga Honda¹; Masayuki Kikuchi²

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Lotta Ottensmeyer; Robert Fendrich¹; Uwe Mattler¹

¹ Georg-August University Göttingen

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¹ Technische Universität Clausthal; ² Leibniz Universität Hannover

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The Role of Processing Fluency in Color Preference: Evidence from Naming, Preference, and Expertise Measures

Songyang Liao¹; Claus-Christian Carbon²; Zheyi Liu¹; JunYing Li¹

¹ Guangzhou College of Technology and Business; ² University of Bamberg

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Jun Saiki¹; Daisuke Hamada²; Chien-Chun Yang³; Huan-Wei Lin³; Su-Ling Yeh³

¹ Kyoto University; ² Otemae University; ³ National Taiwan University

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Joost de Jong

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¹ Justus-Liebig University Gießen; ² Computer Science Laboratory (LIUM), Le Mans University

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Spatial context differently affects perceptual processing style in distinctive nationalities.

Kyoko Hine¹; Gregor Volberg²; Anton L. Beer²; Yoshiaki Tsushima³

¹ Toyohashi University of Technology; ² University of Regensburg; ³ National Institute of Information and Communications Technology

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Nina Meret Zumbrunn; Jake Tiernan; Louise Hopper; David P. McGovern

Dublin City University

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Spatial Distribution of Exogenous Attention in 3D Space

Dilara Erisen¹; Guillaume S. Masson²; Frank Bremmer¹; Martin Szinte²; Baptiste Caziot¹

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Issam Tafech¹; Karla Matic^{2,3}; Polina Iamshchinina⁴; Thomas Christophel¹

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Can visual imagery of materials elicit the material-weight illusion?

Christian Houborg¹; Roland W. Fleming²

¹ Justus Liebig University Giessen; ² Center for Mind, Brain and Behavior, University of Marburg, Justus Liebig University Giessen and the Technical University of Darmstadt (DE)

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Pietro Amerio¹; Renzo Lanfranco²; David Carmel³; Axel Cleeremans¹

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Öykü Özdemir; Aslı Kılıç; Dicle Dövençioğlu

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Differential processing of salient task-irrelevant visual features in early visual areas between children and adults

Markus Becker; Sebastian Frank

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Perceived Material Qualities from Turkish and Japanese Onomatopoeia Suggest Universality

Defne Akkuş¹; Fatma Nefes Tekin²; Dicle Dövençioğlu¹

¹ Middle East Technical University; ² Boğaziçi University

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Social gaze of prematurely born preschoolers during real-life social interactions

Rowena Van den Broeck¹; Lisa Gistelinc¹; Bieke Bollen²; Els Ortibus²; Gunnar Naulaers²; Roy Hessels³; Bart Boets¹

¹ KU Leuven; ² UZ Leuven; ³ Utrecht University

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Can I ignore perceptual uncertainty? – Single participant EEG correlates of perceptual (un)certainty with and without attention

Mareike Wilson¹; Ellen Joos²; Anne Giersch³; Lukas Hecker¹; Ludger Tebartz van Elst⁴; Jürgen Kornmeier²

¹ University of Freiburg; ² Institute for Frontier Areas of Psychology and Mental Health; ³ University of Strasbourg; ⁴ University of Freiburg, Medical Center

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Depth Cue Recovery in Digital Optical Visualization Systems

Till-Hendrik Hage^{1,2}; Enrico Geißler¹; Jens Haueisen²

¹ Carl Zeiss AG; ² Ilmenau University of Technology

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Revisiting the size scaling of isolated letters in the periphery

Tom R. Scherzer; Antje Nuthmann

Kiel University

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Effects of Vertical Display Misalignment in See-Through Augmented Reality

Alice Sansalone¹; Andrea Canessa¹; Silvio Sabatini¹; Gerrit Maus²; Agostino Gibaldi²

¹ Università degli Studi di Genova; ² Magic Leap

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Holistic and part-based face perception in autism

Christian Gerlach¹; Mette Elmoose Andersen²; Linnea Brønnum Hansen²; Esben Helby Mandahl²

¹ Aalborg University; ² University of Southern Denmark

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Task-relevance in response priming: flip-flopping visual dimensions

Xin Ying Lee; Thomas Schmidt

RPTU Kaiserslautern-Landau
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Active object manipulation reduces material discrimination error in virtual reality

Hideki Tamura¹; Kevin Helgeland²; Ryu Nomachi¹; Shigeki Nakauchi¹; Tetsuto Minami¹

¹ Toyohashi University of Technology; ² Norwegian University of Science and Technology
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Motor-driven Serial Dependence: When Response Consistency Matters More than Shared Memory Encoding

Jiao Wu¹; Halid Oğuz Serçe²; Xuelian Zang³; Zhuanghua Shi¹

¹ Ludwig-Maximilians-Universität München; ² Bahçeşehir University; ³ Center for Cognition and Brain Disorders, Affiliated Hospital of Hangzhou Normal University
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Discrimination of Mooney faces in infancy

Ryuto Takashima; Nanako Yamanaka; Nobu Shirai

Rikkyo University
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Effects of lighting direction and beam angle on the appearance of a craft

Keito Sato; Hiromi Sato; Yoko Mizokami

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The development of a novel method to induce Aha! moments and predicting them from facial features

Satoshi Shioiri; Koshi Akedo; Yasuhiro Hatori; Chiahuei Tseng

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Beyond the Visible: Novice Engagement with Figurative and Abstract Art in Virtual Reality

Itay Goetz; Jennifer Tesch; Claus-Christian Carbon

University of Bamberg, Bamberg, Bavaria, Germany
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Seeing the trend, changing the plate: Can social media poll results sway people’s nutrition behavior?

Lars Bläuer; Lea Laasner Vogt; Ester Reijnen

Zürcher Hochschule für Angewandte Wissenschaften (ZHAW)
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Depth and Interaction Modulate Color Aftereffects in Virtual Reality

Aravind Battaje¹; Nina Hanning²; Oliver Brock¹; Martin Rolfs²

¹ Technische Universität Berlin; ² Humboldt-Universität zu Berlin
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Explicit acceleration signals enhance acceleration processing and TTC estimation for accelerating vehicles

Christoph von Castell; Rafaela Baumann; Louisa Woop; Marlene Wessels

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