

## Sunday, 27 Aug

---

10:30 - 12:30 Tutorials

### Tutorial

10:30 Spatial Cognition and Artificial Intelligence: Methods for In-The-Wild Behavioural Research in Visual Perception  
*Mehul Bhatt, Vasiliki Kondyli*

### Tutorial

10:30 Understanding Glare's transformation of scene luminance into the different pattern on the retinal receptors  
*Alessandro Rizzi, John McCann*

14:00 - 16:00 Tutorial session

### Tutorial

14:00 Modelling the spatio-temporal properties of eye movements: methods, devices and applications  
*Alessandro Grillini*

### Tutorial

14:00 Visual psychophysics with OpenSesame  
*Sebastian Mathôt*

### Tutorial

14:00 Multiple Object Tracking in Virtual Reality with Eye-tracking and FNIRS for Cognitive Workload  
*Aleksandar Dimov*

17:00 - 18:30 Perception Lecture

19:00 - 21:00 Welcome Reception

## Monday, 28 Aug

---

8:30 - 10:00 Symposia

### Symposium 1: Dynamic vision and its development: a symposium in honour of Oliver Braddick

Chair: David Burr & Johannes Zanker

- 8:30 Dynamic vision and its development: a symposium in honour of Oliver Braddick.  
*Janette Atkinson*
- 8:50 Development and plasticity of motion circuitry in human infants  
*Maria Concetta Morrone*
- 9:10 Dynamic vision and its development: spatial coding and seeing in depth  
*Marko Nardini*
- 9:30 Two motion systems in the primate brain.  
*Anthony Movshon*

### Symposium 2: Vision beyond cones: uncovering the role of rods and melanopsin in perception

Chair: Pablo Barrionuevo

- 8:30 Multi-primary high dynamic range displays for vision science: implementation, challenges, and psychophysics  
*Allie Hexley*
- 8:45 Filling-in of the foveal rod scotoma under mesopic viewing conditions  
*Hui Men*
- 9:00 The contribution of rods and cones to brightness induction  
*Pablo Barrionuevo*
- 9:15 How does melanopsin help us to see?  
*Tom Woelders*
- 9:30 Melanopsin in complex scenes: Brightness and color interactions  
*Tanner DeLawyer*

10:00 - 11:00 Eye movements and Pupillometry; Perception & Action Poster Sessions

### Eye Movements and Pupillometry Poster Session

Confirmation of required specifications for cognitive function tests based on eye-movement-measuring devices

*Mitsunobu Kunimi*

Fixational Eye Movements As Bio-Markers For Visual Acuity

*Michael Lellouch, Ohad Ben-Shahar*

Eye Movement Patterns in Visual Expertise for Print

*Evgenia Kouki, Evangelos Paraskevopoulos, George Spanoudis, TIMOTHY C. PAPADOPOULOS*

Eye movements in facial expression recognition

*Sofya Klumova, Galina Menshikova*

Gaze characterization of ophthalmic lenses wearers with a new algorithm of pupil position estimation

*Clara Benedi-Garcia, Pablo Concepcion-Grande, Marta Alvarez, Carmen Cano, Jose Miguel Cleva, Eva Chamorro*

## Fixation Stability in Reading and Non-reading Task

*Evita Serpa*, Gunta Krumina, Evita Kassaliete, Aiga Švede, Ilze Ceple, Liva Volberga, Rita Mikelšone, Asnate Berzina, Viktorija Goliskina, Sofija Vasiljeva, Marija Koleda, Madara Alecka, Elizabete Ozola, Daniela Toloka

## Transsaccadic perception of changes in image regularity

*Nino Sharvashidze*, Matteo Valsecchi, Alexander C. Schütz

## Feature-tuned properties and underlying neural mechanisms of short-latency stimulus-driven ocular position drift responses

*Tatiana Malevich*, Fatemeh Khademi, Tong Zhang, Matthias P. Baumann, Antimo Buonocore, Ziad M. Hafed

## Spatial and temporal image statistics of fixated vs non-fixated regions in viewing artworks

*Branka Spehar*, Vicente Estrada-Gonzalez, Michael Garbutt, Scott East

## Coupling of eye movement to the visuospatial representations

*Ziva Korda*, Sonja Walcher, Christof Körner, Mathias Benedek

## WALD-EM: Wald Accumulation for Locations and Durations of Eye Movements

*Simon Kucharsky*, Ingmar Visser, Maartje Raijmakers

## Fixational eye movements form fine stereoacuity

*Anna Ptukha*

## Effects of the nature of the context on contextual saccadic adaptation

*Maxime Martel*, Laurent Madelain

## Exploring the Relationship Between Gaze and Movement Transitions During Natural Human Walking on Different Terrains

Christiane Wiebel-Herboth, *Martina Hasenjäger*

## Comparison of saccades in athletes and non-athletes

*Angelina Ganebnaya*, Jekaterina Berkova, Alona Purmale, Līga Puhova, Mariya Misri, Svetlana Semjonova, Alina Kucika, Davids Davis Gailitis, Atis Kovaļovs, Aiga Švede

## Developing an Indicator of Cognitive Load Using Pupillometry

*Daniel Frazer*, John Cass, Gabrielle Weidemann, Tamara Watson

## Vision relaxation with a new device EyeRoll

*Līga Puhova*, Aiga Švede, Svetlana Semjonova, Alina Kučika, Angelina Ganebnaya, Dmitry Gromov, Kulsum Baig Fatima

## Dissociating temporal expectations in the perceptual and oculomotor domains

*Neil Roach*, Ahmad Syazwan Muhammad Kamal, Paul McGraw, Chris Scholes

## Pupil Size Reveals Imagination: Pupillary Response in Visual Imagery

*Sin Wan*, *Sharon Hon*, Sing-Hang CHEUNG

## Is Eye Movement Latency Variation as a Predictor of Cognitive Impairment ?

*Trevor Crawford*, Megan Polden

## Effect of eye movements and finger pointing on auditory spatial perception

*Saranya Tarat*, Chaipat Chunharas, Sedthapong Chunamchai

## Predicting Multiple-Target Search Performance Using Eye Movements and Individual Differences

*Kayley Birch-Hurst*, Alice M Jones, Angela Ong, Kayleigh M Stoker, Melvyn L Smith, Wenhao Zhang, Kait Clark

## Sight translation in L2: evidence from eye-tracking

*Tatiana Petrova*

## Development of functional spatial span measure in reading

*Natália Máximo*, Victoria Menegon, Marcelo Fernandes Costa

## The use of progressive lenses while going upstairs or downstairs: an eye-tracker study

*Amelia Gonzalez*, Clara Benedi-Garcia, Pablo Concepcion-Grande, Jose Miguel Cleva, Eva Chamorro

## Robust storage for a large variety of stimulus features across saccades, but not across peripheral-to-foveal retinal shifts during fixation

*Arne Stein*, Lukasz Grzeczowski, Martin Rolfs

## Pupillary responses to perceived glossiness and attractiveness

*Hideki Tamura*, Shigeki Nakauchi, Tetsuto Minami

Verbal labels influence target identification process in visual search  
*Maxim Morozov*

I spy with my little eye... an anchor object! How anchor objects modulate eye movements during visual search  
*Deliane Bechar, Aylin Kallmayer, Melissa Lê-Hoa Võ*

Individual differences in gaze strategies when performing the same task: an example from stair climbing  
*Andrea Ghiani, Daan Amelink, Eli Brenner, Ignace Hooge, Roy Hessels*

Viewing of abstract art follows a gist to survey pattern over time regardless of broad categorial titles  
*Eugene McSorley, Rachel McSorley, Louis Williams*

Looking versus searching: Inhibition of return in an extended saccade sequencing paradigm  
*Christof Körner, Margit Höfler, Florian F. Thaler, Iain D. Gilchrist*

Does individual gaze lead to individual visual representations?  
*Petra Borovska, Benjamin de Haas*

A pupillometry study of reward and uncertainty in exploratory decision making  
*Zoe He, Maëva L'Hôtelier, Alexander Paunov, Dalin Guo, Florent Meyniel, Angela Yu*

Pupil responses reveal detection rates beyond reports in choice blindness  
*Pablo Grassi, Emre Baytimur, Lena Hoeppe, Andreas Bartels*

Microsaccade size reflects spatial demands on internal selective attention in the oculomotor system  
*Baiwei Liu, Zampeta-Sofia Alexopoulou, Anne Zonneveld, Freek van Ede*

## Perception & Action Poster Session

Temporal dynamics of size constancy for perception and action with real objects at real distances  
*Simona Noviello, Saman Songhorabadi Kamari, Juan Chen, Chao Zheng, Angelo Pisani, Elena Franchin, Enrica Pierotti, Elena Tonolli, Simona Monaco, Louis Renault, Irene Sperandio*

Visual perception can learn from action. A study of cross-modal cue recruitment.  
*Lionel Louiset, Timothy Carroll, Guy Wallis*

Lexical Access to Function Understanding is Influenced by the Objects Utilized for an Action  
*Lea Alexandra Müller Karoza, Sandro Luca Wiesmann, Melissa Lê-Hoa Vo*

Adaptation of forearm orientation inhibited by visual information  
*Atsuki Higashiyama*

Assessment of biophilic design and impact on visual perception in patient rooms  
*Maria Englezou, Kleanthis Neokleous*

Obstacle Perception: A Heatmap-based Comparison of Human and Machine Alignment Focus Points  
*Aikaterini Karakasidi, Marios Thoma, Periklis Perikleous, Harris Partaourides, Zenonas Theodosiou, Loizos Michael, Andreas Lanitis*

Effects of accuracy demands and light level on hand movements in a grasp-and-place task  
*Constanze Hesse, Martin Giesel*

Exploratory hand movements affect perceived material attributes in a dimension-specific way  
*Fatma Kılıç, Dicle Dövençioğlu*

Slightly perturbing the arm influences choices between multiple targets  
*Veronika Hadjipanayi, Eli Brenner, Emily M. Crowe*

Effects of dynamic alterations of depth cues during continuous dynamic interaction  
*Francesca Peveri, Silvio Paolo Sabatini, Andrea Canessa*

Variation in the location of the visual egocentre measured using a monocular and binocular sighting task  
*Yalige Ba, Paul McGraw, Timothy Ledgeway*

10:00 - 11:00 Coffee Break

11:00 - 13:00 Attention & Clinical populations Talk session

## Attention session

- 11:00 Manipulating attentional priority creates a trade-off between memory and sensory representations in human visual cortex  
*Rosanne Rademaker, John Serences*
- 11:15 Self-initiation of attentional shift during visual search  
*Dengzhe Hou, Sai Sun, Yoshiyuki Sato, Yasuhiro Hatori, Chia-huei Tseng, Satoshi Shioiri*
- 11:30 Statistical Learning Alters the Latent Saliency of Attentional Priority Maps: As Revealed via Pinging and ERP's  
*Dock Duncan, Dirk van Moorselaar, Jan Theeuwes*
- 11:45 Object-based and salience-based attention development: evidence from free-viewing in infants and adults  
*Ingmar Visser, Maartje Raijmakers*
- 12:00 Increasing saccadic vigor with reward: effects on main sequence, latency and presaccadic attention  
*Lukasz Grzeczkowski, Oliver Steiner, Madeleine Gross, Martin Rolfs*
- 12:15 Effect of Target-Distractor Similarity on Attentional Modulation in the Human Visual Cortex  
*Narges Doostani, Gholam-Ali Hossein-Zadeh, Radoslaw Martin Cichy, Maryam Vaziri-Pashkam*
- 12:30 Perceptual coupling, not binocular rivalry, requires attention.  
*Alexander Pastukhov, Claus-Christian Carbon, Malin Styrnal*
- 12:45 Dissociable roles of human frontal eye fields and early visual cortex in presaccadic attention – evidence from TMS  
*Nina Hanning, Antonio Fernández, Marisa Carrasco*

### Clinical aspects of vision session/Clinical populations

- 11:00 The four factors of visual hypersensitivity: definition and measurement  
*Alice Price, Rebecca Oates, Petroc Sumner, Georgina Powell*
- 11:15 Detecting and delineating visual field defects based on free-viewing in glaucoma  
*Henning Schulte, Birte Gestefeld, Jan-Bernard Marsman, Jeroen Goossens, Frans Cornelissen*
- 11:30 Is there a common factor underlying visual abilities in patients with AMD?  
*Simona Garobbio, Ursula Hall, Philipp Anders, Hendrik Scholl, Michael H. Herzog*
- 11:45 Visual flow and complexity as triggers and rehabilitation stimuli for dizziness  
*Nathan Goodwin, Petroc Sumner, Fernando Loizides, Hannah Derry-Sumner, Georgina Powell*
- 12:00 Long-term adaptation to a visual field defect improves functional vision: evidence from a continuous visual tracking task  
*Minke de Boer, Anne Vrijling, Remco Renken, Jan-Bernard Marsman, Alessandro Grillini, Carlo Enrico Petrillo, Joost Heutink, Nomdo Jansonius, Frans Cornelissen*
- 12:15 Status of symmetry perception following prolonged visual deprivation  
*Priti Gupta, Meghna Rao, Dhun Verma, Manvi Jain, Chetan Ralekar, Suma Ganesh, Pawan Sinha*
- 12:30 Autistic and schizotypal traits shape neural markers of predictive inference  
*Luca Tarasi, Maria Eugenia Martelli, Giuseppe di Pellegrino, Vincenzo Romei*
- 12:45 Prosopagnosia is highly comorbid with developmental coordination disorder (DCD).  
*Katherine Maw, Edwin Burns, Geoff Beattie*

13:00 - 14:30 Lunch Break

14:30 - 16:15 Eye movements; Perception & Action Talk session

### Eye movement session

- 14:30 Decision making, reward and eye movements  
*Eugene McSorley, Rachel McCloy*
- 14:45 When and why does eye behavior decouple from visual input during internally directed cognition?  
*Sonja Walcher, Ziva Korda, Christof Körner, Mathias Benedek*
- 15:00 Idiosyncratic eye-movement patterns affect behavioral and ERP correlates of face perception  
*Nianzeng Zhong, Janet H. Hsiao, William G. Hayward*

- 15:15 Eye movements during 'everyday hallucinations': Scaffolded attention as a function of covert (rather than overt) attention  
*Joan Danielle K. Ongchoco, Brian Scholl*
- 15:45 Tell me your point of view: Individual differences in gaze behavior predict individual differences in scene descriptions  
*Diana Kollenda, Benjamin de Haas*
- 16:00 The Influence of a Brief Effortless Attention Intervention on Quiet Eye during Basketball Free Throws under Pressure  
*Junchi Chen, Rongrong Chen*

### Perception & Action session

- 14:30 Grasping follows Weber's Law  
*Kriti Bhatia, Christian Loewenkamp, Volker Franz*
- 14:45 Active vision shapes ocular dominance  
*Paola Binda, Cecilia Steinwurz, Giulio Sandini, Maria Concetta Morrone*
- 15:00 Linking the space in visual and haptics  
*Liga Zarina, Jurgis Skilters, Solvita Umbrasko, Egle Zilinskaite-Sinkūniene*
- 15:15 Actions are characterised by 'canonical moments' in a sequence of movements  
*Patricia Gough, Nuala Brady, David McGovern*
- 15:30 Causal Effects of Pupil Size on Visual Processing  
*Sebastiaan Mathôt, Hermine Berberyan, Philipp Büchel, Veera Ruuskanen, Ana Vilotijević, Wouter Kruijne*
- 15:45 Stochastic resonance reflects decisional, not sensory, suboptimalities in human vision  
*Carlo Paris, Peter Neri*
- 16:00 Gaze responses to visual perturbations during reaching  
*Dimitris Voudouris, David Franklin*

## 16:15 - 17:15 Attention & Clinical Vision Poster Sessions

### Attention Poster Session

A new object versus rejuvenated object in visual attentional selection  
*Atsunori Ariga*

Effects of Interstimulus Competition on Attentional Target Selection in Conjunction Search  
*Rebecca Nako, Nick Berggren, Martin Eimer*

Behavioural and neural correlates of shifting within and between attentional domains  
*Daniela Gresch, Sage E. P. Boettcher, Freek van Ede, Anna C. Nobre*

Inhibition of salient but irrelevant distractor depends on search mode  
*Nataša Mihajlović, Sunčica Zdravković*

Non-image forming vision as measured through ipRGC-mediated pupil constriction is not modulated by covert visual attention  
*Ana Vilotijević, Sebastiaan Mathôt*

Drivers compensate for environmental complexity by attentional prioritization of safety-critical events  
*Vasiliki Kondyli, Daniel Levin, Mehul Bhatt*

Cognitive Components of Small and Large-Scale Foraging Behaviour  
*Emre Orun, Carlo De Lillo, Robin Green*

Examining Attention Patterns in Image Classification Tasks: A Comparison between Neural Networks and Humans  
*Anna Antipova*

Attentional effects on the P300 component of the event-related potential during fast visual stimulation  
*Julia Haldina, Sven P. Heinrich*

Cross-modal synchrony aids multitarget search  
*Ivan Makarov, Runar Unnthorsson, Arni Kristjánsson, Ian M. Thornton*

Exploring Attentional Modulation Effects on the Perception of Complex Natural Stimuli: A Study on Human Faces

*Lisa-Marie Vortmann, Finn Radatz, Angela Yu*

Changes in conflict-induced modulations of oblique effects in spatial attention

*Kanyarat Benjasupawan, Nithit Singtokum, Naphapa Panyanirun, Anantaporn Sena, Panchalee Sookprao, Sirawaj Itthipuripat, Chaipat Chunharas*

The influence of attention on visual asymmetries in the foveola

*Samantha K. Jenks, Martina Poletti*

The preparatory activation of attentional templates for the guidance of visual search and for the recognition of objects in non-search tasks

*Gordon Dodwell, Martin Eimer*

'Attentional transplants' cause recipients to like images similarly to donors: Evidence for inter-observer commonalities in how attention drives preferences

*Hong B. Nguyen, Benjamin van Buren*

A self-administered mobile assessment for Response Inhibition

*Pornnapat Chernprateep, Anantaporn Sena, Gann Boonyaprapatsara, Thitisa Sudayuworn, Pattarathorn Jongjareansuntikul, Waragon Phoosuwan, Natrada Rattanapong, Chaipat Chunharas, Anthipa Chokesuwattanaskul*

Geistesblitz: Repetition priming of indirect attentional sets

*Malin Styrna, Alexander Pastukhov, Claus-Christian Carbon, Arni Kristjansson*

Size Modulation of Visual Attention Estimated by Steady State Visual Evoked Potential

*Guangyu Chen, Satoshi Shioiri*

Facilitation effects and anisotropy of the attentional blink for targets presented in a rapid serial visual presentation sequence in the upper and lower visual fields.

*Ichikawa Makoto, Masataka Miyoshi*

Attentional sustainability under different types of notifications

*Anastasia Anufrieva, Elena Gorbunova*

Neural activities preceding self-initiated attention

*Satoshi Shioiri, Wei Wu, Kazuya Kobayashi, Dengzhe Hou, Shin Ono, Yoshiyuki Sato, Yasuhiro Hatori, Chia-Huei Tseng*

Temporal regularities can be used to dynamically prioritise attentional templates during visual search.

*Gwenllian C. Williams, Sage E. P. Boettcher, Anna C. Nobre*

## Clinical Vision Poster Session

Similarities and differences in sensory hypersensitivity across 10 clinical conditions

*Rebecca Oates, Georgina Powell, Petroc Sumner, Abhay Ghaiwal, Charlotte Griffin, Alice Price*

Visual fatigue and power spectral analysis of accommodative response in asymptomatic and symptomatic individuals

*Rémi COQ, Pascaline NEVEU, Richard LEGRAS*

Objectively impaired developmental prosopagnosia cases are excluded when using liberal cognitive task-based diagnostic criteria

*Edwin Burns*

Age-effects on gaze and hand movement when intercepting moving targets

*Leonard Gerharz, Dimitris Voudouris*

Sensory responsiveness, core features of autism and alexithymia

*Nuala Brady, Madeleine Diepman*

Mechanisms underlying visual discomfort and implications for urban greening

*Olivier Penacchio, Xavier Otazu, Arnold J. Wilkins, Sarah M. Haigh*

Are people with anxiety traits more field dependent?

*Li-Chuan Hsu, Pei-Yun Lai, Pin-Yun Lin, Xing-Rou Wong, Chia-Yao Lin, Yi-Min Tien*

What is the neurological condition opposite to visual agnosia?

*Charles Wu*

Receptive fields modulations following optic neuritis  
*Ruth Abulafia*, Pieter de Best, Adi Vaknin-Dembinsky, Panayiota Petrou, Atira Bick, Netta Levin

The effects of contrast modulation on peripheral visual acuity  
*Carlos R. Cassanella*, Neil W. Roach, Paul V. McGraw

The phenomenology of face blindness: A case study of developmental prosopagnosia  
*Erling Nørkær*, Tone Roald, Randi Starrfelt

Visual impairments in schizophrenia and schizoaffective disorder  
*Irina Shoshina*, Alice Karlova, Alice Kosikova, Zmurd Huseynova, Anna Fedorova, Marianna Tumova, Michael Ivanov

Predictions of sensorimotor contingencies is altered in the broad autistic phenotype  
*Antonella Pomè*, Eckart Zimmermann

Brain Indices of Visual Memory in Chronic Moderate-to-Severe TBI.  
*Eva Pettemeridou*, Fofi Constantinidou

MRI Biomarkers of Posterior Cortical Atrophy: A Single-Case Study  
*Caterina Annalaura Pedersini*, Aniol Santo-Angles, Omnia Hassanin, Luai Eldweik, Osama Abdullah, Bas Rokkers

Investigating the Link between Language and Scene Knowledge: Insights from Eye Movements in Children with and without Developmental Language Disorder  
*Dilara Deniz Türk*, Daniela Bahn, Christina Kauschke, Melissa Le-Hoa Võ

Visual differentiation in dyslexic children: An eye-tracking study  
*Nicol Dostálová*

Eye tracking paradigm to identify saccade, pupil, and blink abnormalities in neurodegeneration  
*Maha Habibi*, Brian C. Coe, Donald C. Brien, Heidi C. Riek, Annette Janzen, Wolfgang H. Oertel, Douglas P. Munoz

Investigating Gaze Behavior among Older Adults with and without Mild Cognitive Impairment in a Naturalistic Task  
*Alexandra Wolf*

Different top-down modulation of prestimulus alpha power and frequency in Developmental Dyslexia  
*Alessia Santoni*, Giuseppe Di Dona, David Melcher, Laura Franchin, Luca Ronconi

What can eye movements tell us about the visual fields in children?  
*Anna Boethun*

Face Recognition and Reading in Congenital Achromatopsia  
*Ayelet Mckyton*, Deena Elul, Netta Levin

Decentralized viewing behavior on facial photographs depicting Bell's palsy  
*Dana Gudrun Rottleb*, Helene Gunhild Schaefermeyer, Gregor Uwe Hayn-Leichsenring

Eye movements and gaze dynamics toward familiar and unfamiliar faces in congenital prosopagnosia  
*Adi mizrachi*, Galia Avidan, Orya Lancry, Yoni Pertzov

Loughborough University Concussion IDentification (LUCID): concussion diagnosis using smartphone-based eye tracking  
*Thomas Wilcockson*

People with higher autistic traits show stronger binding for color–shape associations  
*Na Chen*, Katsumi Watanabe, Charles Spence, Makoto Wada

16:15 - 17:15 Coffee Break

17:30 - 19:00 Perception Editorial Board Meeting

19:00 - 21:00 Perception Dinner

## Tuesday, 29 Aug

---

8:30 - 10:00 Symposia

### Symposium 3: Crowding: beyond fixed mechanisms

Chair: Guido Marco Cicchini

- 8:30 Unlocking crowding: the impact of global configurations and ensemble statistics  
*David Pascucci*
- 8:45 Crowding: an optimizing phenomenon?  
*Guido Marco Cicchini*
- 9:00 Dissociating Representation from Access in Multilevel Crowding  
*Mauro Manassi*
- 9:15 What drives the elevation of crowding in clinical disorders of vision?  
*John Greenwood*
- 9:30 An enhanced Bouma model fits fifty people's visual crowding  
*Denis Pelli*

### Symposium 4: Color Geometry

Chair: Qasim Zaidi

- 8:30 Geometry of the neural representation of color  
*Bevil Conway*
- 8:45 Neurometric colour space decoded from EEG signals.  
*Jasna Martinovic*
- 9:00 Categorical Colour Geometry  
*Lewis Griffin*
- 9:15 Geometry and Symmetries in the space of colours  
*Ines Samengo, Nicolas Vattuone*
- 9:30 The non-Riemannian nature of perceptual color space.  
*Roxana Bujack*
- 9:45 Color geometry and neural geometry  
*Qasim Zaidi, Robert J. Ennis*

10:00 - 11:00 Coffee Break

10:00 - 11:00 Colour; Learning; Visual working memory Poster Sessions

### Colour Poster Session

Effects of light enhancement at 585nm wavelength on beauty reduction  
*Megumi Nishikawa, Akiyoshi Kitaoka*

Evaluation of classic colour constancy algorithms on spectrally rendered ground-truth  
*Matteo Toscani, Giuseppe Claudio Guarnera*

Skin colour discrimination sensitivity is not predicted by haemoglobin oxygen saturation of skin  
*Sophie Wuerger, Tushar Chauhan, Kaida Xiao*

Does pupil dilation trigger a shift from rod-dominated vision to cone-dominated vision?  
*Veera Ruuskanen, Sebastiaan Mathôt*

From colour to position: how the visual system infers location from feature distributions.  
*Phillipe Blondé, Sabrina Hansmann-Roth, David Pascucci, Árni Kristjánsson*

An online color vision test.

*João M.M Linhares, Paulo Jorge Alves, José A.R. Monteiro, Andreia Gomes, Sérgio M.C. Nascimento*

A computational model of accommodation control exploiting chromatic aberration

*Francisco M. López, Judith Massmann, Bertram E. Shi, Jochen Triesch*

Development of a Simultaneous Selection Colour Vision Test

*Leonardo Henriques, Givago Souza, Marcelo Fernandes Costa, Dora Ventura*

Color-shape Association Preferences among Chinese College Students: Mediating Role of Personality and Affect State?

*Zixu Gong, Kang Zhang, Rongrong Chen*

Amodal completion of color

*Dejan Todorovic, Dejan Todorovic*

## Learning Poster Session

Visual Perceptual Learning of Feature Conjunctions Leverages Non-linear Mixed Selectivity

*Behnam Karami, Caspar M. Schwiedrzik*

Prolonged exposure to sub-threshold contrasts does not drive perceptual learning

*Adelina-Mihaela Halchin, Christoph Teufel, Aline Bompas*

The Influence of a 2D versus 3D Environment on Driver Learning Outcomes during a Vehicle Overtaking Task

*Michael Batterley, Georg Meyer, Mark White*

Investigating modifications to the brain's microstructure using Diffusion Kurtosis Imaging: An Examination of Visuomotor Training

*Fahad AL Harshan, Georg Meyer, Fiona Rowe, Sophie Wuerger, Abdulrahman Aloufi*

Human saccadic exploration behavior in a 5-choice reversal learning task

*Fred Hamker, Oliver Maith, Wolfgang Einhäuser, Javier Baladron*

Dimensional reinforcement expectancy in a stepwise multidimensional visual discrimination task by pigeons

*Olga Vyazovska*

Visual Aversive Learning Does Not Compromise Sensory Discrimination

*Marco Roccato, Andrea Pavan, Gianluca Campana, Maurizio Codispoti*

Interface's visual cues in dyslexic users' procedural learning

*Frol Sapronov, Elena Gorbunova*

Perceptual learning of a Form-from-Velocity Task

*Elena von Perponcher, Carla Reinalter, Lena Bock, Edith Benkowitsch, Mark Greenlee, Tina Plank*

Perceptual learning increases perceived stimulus size at trained locations and improves untrained foveal performance

*Chongyue He, Bao Nguyen, Yu Man Chan, Allison McKendrick*

Contextual learning of multiple target locations in visual search: ERP evidence

*Artyom Zinchenko, Thomas Geyer, Xuelian Zang, Zhuanghua Shi, Hermann Müller, Markus Conci*

Reading speed and neural dynamics related to word form recognition are modulated by the combination of multi-session tACS and reading training in Developmental Dyslexia

*Chiara Turri, Giuseppe Di Dona, Denisa Adina Zamfira, Francesco De Benedetto, Giada Alessi, Martina Battista, Daniela Perani, Luca Ronconi*

Task-irrelevant phase but not contrast variability unlocks generalization in visual perceptual learning

*Beyza Akkoyunlu, Caspar Schwiedrzik*

The COCO-Periph Dataset: Benchmarking and Training Deep Neural Networks Using Human Peripheral Vision

*Anne Harrington, Vasha DuTell, Ayush Tewari, Mark Hamilton, Simon Stent, William Freeman, Ruth Rosenholtz*

Distractor suppression operates in retinotopic coordinates

*Yayla Ilksoy, Dirk van Moorselaar, Benchi Wang, Jan Theeuwes*

Generating candidate cognitive models for the Posner cueing task

*Laura Bartlett, Angelo Pirrone, Noman Javed, Peter Lane, Fernand Gobet*

Reading acceleration training combined with bilateral parietal tACS at beta frequency reduces regressive fixations and saccades in Developmental Dyslexia

*Giuseppe Di Dona, Denisa Adina Zamfira, Chiara Turri, Martina Battista, Giada Alessi, Daniela Perani, Luca Ronconi*

## Visual Working Memory Poster Session

Challenging the spatial modality of a digital Corsi task by manipulating spatial updating and mental rotation

*Gregor Hardiess*

Influence of gaze cueing and semantic violations on visual memory and metamemory for real-world scenes: A study of young and older adults

*Sara Spoto, Adeel Khalid, Eunice Fernandes, Benjamin Tatler*

The effect of phasic and tonic alerting on visual perception

*Dawa Dupont, Signe Vangkilde, Anders Petersen*

Do we use depth when selecting objects from visual working memory?

*Babak Chawoush, Freek van Ede*

Effect of group homogeneity on ensemble bias visual working memory of individual representation.

*Nithit Singtokum, Sedthapong Chunamchai, Chaipat Chunharas*

Beyond the magical number of seven: Subitizing does not reflect a pre-categorical process limited to 7 items but benefits from cardinal patterns way beyond this so-called magical frontier of iconic memory

*Claus-Christian Carbon, Malin Styrnal, Alexander "Sasha" Pastukhov*

Are microsaccades biased similarly during external and internal shifts of covert attention?

*Zampeta-Sofia Alexopoulou, Baiwei Liu, Freek van Ede*

Resting-state electroencephalographic change in response to combined tDCS and working memory training in healthy older adults

*Sara Asseondi, Lisa Moreel, Veronica Mazza*

ACCURACY OF SPATIAL REPRESENTATIONS OF STATIC AND DYNAMIC SCENES IN WORKING MEMORY

*Olga Saveleva, Galina Menshikova, Boris Velichkovsky, Grigory Bugriy*

Does attention to internal visual content in working memory selectively affect distractor intrusions at memory-congruent locations?

*Sisi Wang, Freek van Ede*

Investigating the temporal dynamics of top-down attention during single- versus dual-color search

*Rebecca Rosa Schmid, Bence Szaszko, Ulrich Pomper, Ulrich Ansorge*

Attentional template precision during preparation for visual search

*Mikel Jimenez, Dirk Kerzel, Martin Eimer, Anna Grubert*

Visual Search and real-world object representations in aging

*Alexandria Nicole Holcomb, Chiara Francesca Tagliabue, Massimo Vescovi, Veronica Mazza*

Prolonged Oculomotor Inhibition for increased Working Memory Load during Maintenance and Retrieval

*Oren Kadosh, Yoram S Bonne*

Distracted on Campus? The Influence of Distractions on Outdoor Visual Search and Memory

*Sarah Jasmin Nachtnebel, Alejandro Javier Cambronero-Delgadillo, Linda Helmers, Anja Ischebeck, Margit Höfler*

Flipping the Switch in Attentional Control: Proactive Suppression and Capture Flexibly Guide Visual Attention Based on Search Goals

*Marlene Forstinger, Ulrich Ansorge*

## 11:00 - 13:00 Face Perception & Illusions Talk session

### Face Perception session

11:00 Maturation of face- and body-selective regions in fusiform cortex across childhood and adolescence  
*Elisabeth von dem Hagen, OZGE GEZER, Erika Raven, Christoph Teufel, Isobel Ward*

11:15 The eyes detect fearful faces before gaining visual awareness  
*Petra Vetter, Sara Chergia, Marina Montandon, Junchao Hu, Stephanie Badde*

- 11:30 Intracerebral electrical stimulation of the right FFA transiently impairs face identity recognition  
*Bruno Rossion, Angélique Volfart, Xiaoqian Yan, Louis Maillard, Sophie Colnat, Jacques Jonas*
- 11:45 Backward masking coarse-to-fine processing of faces in the human visual system.  
*Jolien P. Schuurmans, Matthew A. Bennett, Mrittika Dey, Valérie Goffaux*
- 12:00 Effective connectivity of the right fusiform face area through concurrent intracerebral electrical stimulation and frequency-tagged visual presentation  
*Luna Angelini, Bruno Rossion, Angélique Volfart, Corentin Jacques, Louis Maillard, Sophie Colnat-Coulbois, Jacques Jonas*
- 12:15 A robust neural index of automatic generalization across variable natural views of familiar face identities  
*Justine David, Laurent Koessler, Bruno Rossion*
- 12:30 Horizontal cues enable viewpoint tolerant recognition of human face identity  
*Alexia Roux-Sibilon, Hélène Dumont, Vincent Bremhorst, Christianne Jacobs, Valérie Goffaux*
- 12:45 Individual face fixation biases generalize to inanimate objects  
*Maximilian Broda, Benjamin de Haas*

### Illusions session

- 11:00 Evidence for Dissociable and Shared Mechanisms underlying motion-induced position shift illusions.  
*Timothy Cottier, William Turner, Alexander Holcombe, Hinze Hogendoorn*
- 11:15 Is there a neural common factor for illusions?  
*Ayberk Ozkirlı, Maya A. Jastrzębowska, Aline Cretienoud, Bogdan Draganski, Michael H. Herzog*
- 11:30 Inter-Individual Variability of Visual Illusions: Validity and Potential of Online Experiments as a Tool for Visual Illusion Study  
*Kohske Takahashi, Yuta Ujiie, Zerui Dai*
- 11:45 The size-weight illusion is explained by efficient coding based on correlated natural statistics  
*Paul Bays*
- 12:00 Painting, Architecture, Space – Eye and body movements in VR disambiguate illusions.  
*Johannes Zanker, Harriet O'Neill, Doga Gulhan*
- 12:15 Measuring the “rocking line” illusion.  
*Ian M. Thornton, Dejan Todorović*
- 12:30 Sound frequencies modulate afterimage saturation  
*Tiziano Agostini, Giulia Parovel, Marco Prenassi, Serena Cattaruzza, Walter Coppola*
- 12:45 The honeycomb illusion: Peripheral vision of contours, unlike that of objects, is refractory to predictions, extrapolation and memory effects.  
*Marco Bertamini, Giulio Contemori, Luca Battaglini, Carolina Maria Oletto*

13:00 - 14:30 Lunch Break

14:30 - 16:00 Colour; Learning; Visual working memory Talk session

### Colour session

- 14:30 Deep reconciliation of categorical colour perception  
*Arash Akbarinia*
- 14:45 Swiping colors in virtual reality: How stable are color category borders?  
*Avi M. Aizenman, Zoe R. Goll, Karl R. Gegenfurtner*
- 15:00 Colour can be decoded from MEG frequency power  
*Lemona Xinxuan Zhang, Jenny Bosten*
- 15:15 Colour discrimination in COVID-19 survivors  
*Galina V. Paramej, Yulia A. Griber*
- 15:30 COLOUR MEMORY STRATEGIES IN DALTONISM  
*Sunčica Zdravković, Neda Milić-Kerestes, Ivana Jakovljević*
- 15:45 Adult and children colour selections for emotion terms: The importance of chroma and hue  
*Déborah Epicoco, Domicela Jonauskaitė, Marie-Lou Mailler, Christine Mohr*

## Learning Papers session

- 14:30 Transfer of learning and causal reorganization of brain connectivity through rapid mental-map training  
*Lora Likova, Zhangziyi Zhou, Michael Liang, Christopher Tyler*
- 14:45 Extensive visual training in adulthood reduces an implicit neural marker of the face inversion effect  
*Simen Hagen, Renaud Laguesse, Bruno Rossion*
- 15:00 Glutamatergic processing in human pulvinar supports predictive structure learning  
*Cecilia Steinwurz, Ke Jia, Joseph J. Ziminski, Yuan Gao, Emir Uzay, Zoe Kourtzi*
- 15:15 Spatial Cognition and Intervention-Induced Changes in White Matter Integrity: The Case of Dancers  
*Maria Ph. A. Photiou, Sophia Vinci-Booher, Alexia Galati, Franco Pestilli, Marios Avraamides*
- 15:30 Behavioral performance improvement in visuomotor learning correlates with functional and microstructural brain changes  
*Abdulrahman Aloufi, Fiona Rowe, Georg Meyer*
- 15:45 Combining multi-session tACS with reading acceleration training can ameliorate self-paced reading, oculomotor control, working memory and neural dynamics of motion perception in dyslexia  
*Luca Ronconi, Denisa Zamfira, Chiara Turri, Giada Alessi, Martina Battista, Daniela Perani, Giuseppe Di Dona*

## Visual Working memory Papers session

- 14:30 Contributions of retrospective attentional control to visual working memory performance: insights from the developing cognitive system  
*Andria Shimi*
- 14:45 Delayed selection of motor but not visual information with higher working memory load  
*Rose Nasrawi, Mika Mautner-Rohde, Freek van Ede*
- 15:00 Predictive Role of Individual Visual Working Memory Capacity in the Aesthetic Appreciation of Chinese Ink Paintings  
*Dingning Long, Kang Zhang, Rongrong Chen*
- 15:15 Measuring effects of cognitive load on visual capacity in virtual and augmented reality environments  
*John Cass, Wing Hong Fu, Gabrielle Weidemann, Larissa Cahill*
- 15:30 Top-down Attentional Capture by Affective Scenes Occurs Independent of Competing Visual Working Memory Load  
*Chris Brown*
- 15:45 Neural enhancement in vision  
*Dario Gordillo, Janir Ramos da Cruz, Ophélie Favrod, Phillip R Johnston, Patrícia Figueiredo, Michael H Herzog*

16:15 - 17:15 Coffee Break

16:15 - 17:15 Face Perception And Illusions Poster Sessions

### Illusions Poster Session

Resting-state neural correlates of visual Gestalt experience.

*Marilena Wilding, Anja Ischebeck, Natalia Zaretskaya*

The BTPI: A battery measuring susceptibility to visual illusions

*Yarden Mazuz, Yoav Kessler, Tzvi Ganel*

An Intuitive Physics Approach to the Water-Level Task using Augmented Reality

*Romina Abadi, Laurie M Wilcox, Robert S Allison*

The shortened line segments illusion

*Saki Takao, Katsumi Watanabe, Patrick Cavanagh*

The Helmholtz square is immune to changes in visual angle, aspect ratio, and pattern density

*Christoph von Castell, Heiko Hecht*

Perisaccadic perception of continuous flicker: spatial and temporal aspects

*Rytis Stanikunas, Alvydas Soliunas, Remigijus Bliumas, Karolina Jocabalyte, Algirdas Novickovas*

Does blurry vision affect the glare illusion?

*Shiyuan Wu, Satoru Torii, Yuya Kinzuka, Fumiaki Sato, Yuto Nakanishi, Tetsuto Minami, Shigeki Nakauchi*

The illusory effects of makeup on the perceived eye slant are asymmetric

*Kazunori Morikawa, Hana Ogawa, Risa Sung*

Revealing a hierarchy of prediction error signals using naturalistic video stimuli

*Vincent Plikat, Pablo Grassi, Julius Frack, Andreas Bartels*

Effect of room aspect ratio on verticality perception bias

*Kanon Fujimoto, Hiroshi Ashida*

Revised model for explaining apparent rotational motion of shape distortion illusions

*Kenzo Sakurai*

Object Rigidity: Competition and cooperation between motion-energy and feature-tracking mechanisms and shape-based priors

*Akihito Maruya, Qasim Zaidi*

Motion perception in illusory contexts

*Anna Riga, Dejan Todorovic, Ian M. Thornton*

Concentric arcs illusion

*Kentaro Usui, Akiyoshi Kitaoka*

Pitch-color associations under auditory illusion

*Aurore Zelazny, Thomas Alrik Sørensen*

The influence of visual illusions on time-to-contact perception

*Giulia Meneghini, Giulio Contemori, Robin Baurès*

Exploring the neurophysiological correlates of illusory self-motion (vection)

*Polina Andrievskaia, Behrang Keshavarz, Julia Spaniol, Stefan Berti*

Seeing double... in time: single light pulses are seen as two separate flashes

*Michele Deodato, David Melcher*

## Face Perception Poster Session

Facial Expressions' Influence on Evaluation of Videoconference Recruitment Interviews

*Susumu Shibui, Kazumasa Mori, Nanami Sawada, Tomoko Oe, Taka-Mitsu Hashimoto*

Human intracerebral recordings in the amygdala and fusiform gyrus during rapid periodic changes in facial expressions

*Stéphanie Caharel, Jacques Jonas, Milena Dzhelyova, Stéphanie Matt, Louis Maillard, Bruno Rossion*

Incongruence in disguise between encoding and retrieval impairs face identification

*Charles C.-F. Or, Kester Y.J. Ng, Yiik Chia, Jing Han Koh, Denise Y. Lim, Alan L.F. Lee*

Do facial expressions affect the memory of facial color in an achromatic color adjustment task?

*Yuya Hasegawa, Hideki Tamura, Shigeki Nakauchi, Tetsuto Minami*

The neural basis of Face Identity Recognition in macaques with fMRI frequency-tagging

*Marie-Alphée Laurent, Pauline Audurier, Jean-Baptiste Durand, Jacques Jonas, Bruno Rossion, Benoit R. Cottureau*

Beauty in the Hijab – the influence of the religious garment and gaze direction on perceived facial attractiveness

*Pik Ki Ho, Hajar Aman Key Yekani, Mercedes Sheen*

Encoding of multiple images in unfamiliar face recognition

*Niamh Hunnisett, Simone Favelle, Harold Hill*

Breaking Through Ambiguity: Face-Likeness Reduces Breaking Time in Implicit Processing

*Michael Makoto Martinsen, Kairi Yoshino, Yuya Kinzuka, Fumiaki Sato, Tetsuto Minami, Shigeki Nakauchi*

Do body gestures bias the perception of facial expressions?

*Nathali Lennon, Isabelle Mareschal, Steve M. J. Janssen, Ahamed Miffah Hussain Ismail*

Concurrent selective neural indices for multiple high-level categories within a rapid image stream

*Genevieve Quek, Adélaïde de Heering*

Race & Gender differences in face classification  
*Finn Radatz, Lisa-Marie Vortmann, Angela Yu*

Concealed familiar face detection with EEG in rapid serial visual presentation  
*Ivory Chen, Sebastiaan Mathôt, Robbert van der Mij, Aytac Karabay, Howard Bowman, Elkan Akyurek*

Spatial and temporal complexity modulates pareidolia in dynamic fractal noise  
*Lindsay Peterson, Colin Clifford, Branka Spehar*

Fixation patterns during and after face adaptation  
*Ronja Mueller, Stephen Langton, Tilo Strobach, Claus-Christian Carbon, Peter Hancock*

Is lateralization of face processing to the right hemisphere dependent on lateralization of word processing to the left hemisphere?  
*Christian Gerlach*

Facial colors modulate the recognition of anger in multiple faces  
*Eiji Kimura, Yoko Mizokami*

Effects of emotional Intelligence and emotional creativity on the perception of composite faces  
*Anna Pichugina, Galina Menshikova*

Refugee children's perception of facial emotional expression  
*Julia Michalek, Matteo Lisi, Rana Dajani, Kristin Hadfield, Isabelle Mareschal*

Coarse-to-Fine Integration in Human Face Identity Recognition  
*Mrittika Dey, Jolien P. Schuurmans, Valérie Goffaux*

Emotional faces break free faster than neutral faces and meaningless images of isoluminant visual stimuli  
*cecilia dapor, federica meconi, Irene Sperandio, daniela ruzzante, andrea bizzego*

Spectral and color variations found in hyperspectral images of the skin of human faces.  
*Andreia Gomes, Sérgio Nascimento, João Linhares*

Age-related perceptual changes for gaze direction and portrait rotation caused by the Mona Lisa effect.  
*Marie Morita, Shoji Itakura*

Cues accounting for the horizontal tuning of human face identity recognition  
*Hélène Dumont, Alexia Roux-Sibilon, Vincent Bremhorst, Eunice Tshibambe, Valerie Goffaux*

Contributions of low-level mechanisms to (non)face-specialized contextual mechanisms  
*Mehmet Umut Canoluk, Jolien P. Schuurmans, Matthew A. Bennett, Marius Grandjean, Pieter Moors, Valerie Goffaux*

The psychophysics of facial age perception  
*Tzvi Ganel, Melvyn Goodale*

A hooligan game for isotropic looking gentlemen – Anisotropy values of facial photographs are related to success in Rugby World Cups  
*Gregor Uwe Hayn-Leichsenring*

Perception of symmetry of familiar and unfamiliar faces  
*Alexandra Kurenkova, Elizaveta Luniakova, Victor Doubrovski*

Face experience may modulate preference for mother's faces in infants raised during the COVID-19 pandemic in Japan  
*Megumi Kobayashi, Machi Sugai, So Kanazawa, Masami K. Yamaguchi*

Reading masked faces: updated narratives  
*Marina Pavlova*

Face pareidolia: impact of gender and cultural background  
*Alexander N. Sokolov, Valentina Romagnano, Andreas J. Fallgatter, Marina A. Pavlova*

17:15 - 18:45 Rank Prize Lecture

19:00 - 22:00 Demo & Illusion Night

## Wednesday, 30 Aug

---

8:30 - 10:00 Symposia

### Symposium 5: Time scales of visual processing: from neural dynamics to perception and cognition

Chair: Arni Kristjansson & David Pascucci

- 8:30 Attentional guidance by learned associations  
*Joy Geng*
- 8:45 A role for visual cortex in the priming of attentional selection  
*Jacob Westerberg*
- 9:00 Intrinsic neural timescales shape visual cortex and its perception  
*Georg Northoff*
- 9:15 The effect of ongoing phase activity on visual perception  
*Shen-Mou Hsu*
- 9:30 Identifying and managing multiple time scales in perception  
*Pascal Mamassian*
- 9:45 How is probability represented over time?  
*Arni Kristjansson*

### Symposium 6: Visual Word Recognition: Insights from Reading Deficits

Chair: Heida Maria Sigurdardottir & Nuala Brady

- 8:30 Word, face, and object recognition in posterior stroke: Patterns of performance and underlying lesions  
*Randi Starrfelt*
- 8:45 Impact of a visual attention span deficit in learning to read: behavioral and modelling evidence.  
*Sylviane Valdois*
- 9:00 The role of visual shape processing in skilled reading  
*Alan C. Wong*
- 9:15 Dyslexia in Chinese word recognition - What do its (dis-)similarities with face-recognition tell us?  
*Ricky Tso*
- 9:30 Disrupted neural mechanisms of high-level vision and their role in reading problems  
*Heida Maria Sigurdardottir*

10:00 - 11:00 Coffee Break

10:00 - 11:00 Time & Magnitude processing; Motion & Biological Motion;  
Consciousness Poster Sessions

### Time & Magnitude Processing Poster Session

Cognitive vs. visual responses to numeral representations of parity with EEG  
*Talia Retter, Lucas Eraßmy, Christine Schiltz*

Number selective sensorimotor channels derived from individual differences  
*Giovanni Anobile, Irene Petrizzo, Roberto Arrighi, Daisy Paiardini, David Burr, Guido Marco Cicchini*

The pupil reflects perceived numerosity after adaptation  
*Camilla Caponi, Elisa Castaldi, David Burr, Paola Binda*

Computational and empirical for time's subjective expansion in temporal oddball paradigm using recurrent neural network

*Rakesh Sengupta, Surampudi Bapiraju, Anindya Pattanayak*

Do deviants in irrelevant sound sequence disrupt visually presented arithmetic task?

*Yu NAKAJIMA, Hiroshi Ashida*

Investigating the neural correlates of numerosity adaptation through EEG single-trial decoding

*Giacomo Ranieri, David Burr, Roberto Arrighi, Paolo A Grasso*

What is the minimum duration for grouping to occur? The example of crowding

*Martina Morea, Mauro Manassi, Michael Herzog*

Can optical size manipulations improve time-to-contact estimation of accelerating vehicles?

*Elisabeth Maria Wögerbauer, Marlene Wessels, Heiko Hecht*

Pre- and post-sensory effects on velocity judgements

*Tómas Kristjánsson, Hanna Rakel Th. Barker, Anna Rúnarsdóttir, Arni Kristjánsson*

Space & Time in Binocular Vision

*Marzooq Yassin, Maria Lev, Uri Polat*

The Effect of Time Pressure on Visual Search Strategies in Dual Search Tasks

*Alejandro Javier Cambrero-Delgado, Sarah Jasmin Nachtnebel, Christof Körner, Iain D. Gilchrist, Margit Höfler*

Time estimation during motor activity

*Ottavia D'Agostino, Serena Castellotti, Maria Michela Del Viva*

Trial-by-trial feedback fails to improve the consideration of acceleration in visual time-to-collision estimation

*Marlene Wessels, Heiko Hecht, Thirsa Huisman, Daniel Oberfeld*

The role of perceptual novelty in the temporal oddball effect

*Akira Sarodo, Kentaro Yamamoto, Katsumi Watanabe*

Perceptual processing speed depends on size, but not numerosity or objecthood

*Carolin Hübner*

The influence of scene violations and attention on timing

*Ourania Tachmatzidou, Argiro Vatakis*

The Role of Top-Down Attention in Shape from Shading

*Joshua Matthews, Luke Earnshaw, Debra Mills, Ayelet Sapir*

## Motion & Biological Motion Perception Poster Session

Voluntary eyelid movements facilitate perceptual alternation of bistable apparent motion

*Ryoya Sato, Eiji Kimura*

Are you walking in my direction? Brain responses to different directions of motion – an fNIRS study with point-light walkers

*Isabel C. Lisboa, Nelson Costa, Alfredo F. Pereira*

The experience of attractiveness, health and youthfulness of the female body: Effects of femininity of body shape and gait

*Slobodan Markovic, Tara Bulut Allred*

Neurodynamical model of dynamic bodily action recognition

*Prerana Kumar, Nick Taubert, Rajani Raman, Anna Bognár, Ghazal G. Nejad, Rufin Vogels, Martin A. Giese*

Long-Duration Exposure to Microgravity Does Not Affect Perceived Travel Distance

*Ambika Bansal, Bjoern Joerges, Nils Bury, Meaghan McManus, Robert Allison, Michael Jenkin, Laurence Harris*

The role of perceived naturalness and animacy in the visual pleasantness of a bouncing event

*Giulia Parovel, Marco Bertamini, Michele Vicovaro*

Electrophysiological responses of the movement-related tactile gating in blindness

*Maria Casado-Palacios, Alessia Tonelli, Claudio Campus, Monica Gori*

A new approach to the aperture problem in motion  
*Alan Johnston*

The effects of naturalistic backgrounds and movements on judgements of motion  
*Hollie Carter, Julie Harris, Justin Ales*

To what extent do attention and retinal location affect the optokinetic response?  
*Kirsten Williams, Paul McGraw, Timothy Ledgeway, Denis Schluppeck*

A hidden source of noise in techniques that yoke image motion to self-movement  
*Tom Freeman, Joshua Haynes, Maria Gallagher, John Culling*

Direction congruency in the Motion Bridging Effect: An investigation of the transfer of unconscious direction information from the spinning inducing ring  
*Lotta Ottensmeyer, Robert Fendrich, Uwe Mattler*

Convolution learning: How self-motion can improve sensory representation learning  
*Joseph German, Angela Yu*

Magnocellular and parvocellular aport contribution for selective and sustained attention  
*Victoria Gerald Menegon, Natália Máximo, Marcelo Costa*

Perceived speed in the upper and lower visual fields  
*Hiroshi Ashida, Kanon Fujimoto*

Perception of dynamic stimuli: Toward a new methodology for scotoma patients  
*Ahmet Burak Kurt, Alessia Tonelli, Nicola Domenici, Monica Gori*

Bouncing ball tracking under different background settings can disentangle local and global motion processing  
*Andrew Isaac Meso, Antonia Massmann, Sara B Esmeraldo*

High-speed motion informs object correspondence in the quartet motion paradigm  
*Melis Ince, Carolin Hübner, Martin Rolfs*

The role of Frontal Eye Field pursuit generation in the perception of depth from motion parallax  
*Mark Nawrot, Jeffrey Johnson*

Neural representations of observed interpersonal and person-object motion synchrony in the social perception network  
*Carl Bunce, Maria Tsantani, Daniel Yon, Richard Cook*

Influence of visual patterns and optical flow on inverted pendulum balancing tasks  
*Kai Streiling, Loes van Dam*

Reading acceleration training combined with multi-session parietal tACS enhances working memory and magnocellular-dorsal stream functionality in dyslexia  
*Denisa Adina Zamfira, Chiara Turri, Giuseppe Di Dona, Martina Battista, Giada Alessi, Giulia Stefanelli, Daniela Perani, Luca Ronconi*

## Consciousness Poster Session

Task/Paradigm influence on CFS performance  
*Weina Zhu, Haoxiang Liu, Jan Drewes*

Metacognition of perceptual evidence accumulation in the first 50 milliseconds of viewing  
*Sascha Meyen, Madeleine Soukup, Volker H. Franz*

Signal detection measures can (!) distinguish perceptual biases from response biases  
*Marianne Broeker, Paul Azzopardi*

Transitions during binocular rivalry vary in appearance across stimulus types  
*Cemre Yilmaz, Laura Pabel, Elias Kerschenbauer, Anja Ischebeck, Alexandra Sipatchin, Andreas Bartels, Natalia Zaretskaya*

Disentangling the contribution of conscious and unconscious processes to breaking continuous flash suppression  
*Tommaso Ciorli, Lorenzo Pia, Timo Stein*

Masking by four dots revisited: The role of mask related attention  
*Josephine Reuther, Uwe Mattler*

Perception, Concept, Language - A new Approach to Connect Philosophy of Mind and Empirical Science  
*Helene Gunhild Schaefermeyer, Dana Gudrun Rottleb, Gregor Uwe Hayn-Leichsenring*

Successor representations of subliminal dots  
*Jasper de Waard, Jan Theeuwes*

Fair Masking Eliminates the Face Advantage in CFS  
*Jan Drewes, Qunjie Huang, Weina Zhu*

## 11:00 - 13:00 Multisensory; Oscillations & Cortical Processing Talk session

### Multisensory Perception session

- 11:00 Short-term Neural Changes during Learning of Visual-Manual Gestures: An fMRI and DTI Study  
*Sahal Alotaibi, Sophie Wuerger, Georg Meyer*
- 11:15 Alpha-band audiovisual entrainment improves audiovisual temporal acuity  
*Gianluca Marsicano, Caterina Bertini, Luca Ronconi*
- 11:30 Context-dependency mechanisms in auditory distance estimation: the effect of blindness.  
*Alessia Tonelli, Carlo Mazzola, Alessandra Sciutti, Monica Gori*
- 11:45 Testing a Bayesian model of perceived visual and auditory speed during self-controlled head rotation  
*Joshua Haynes, Maria Gallagher, John Culling, Tom Freeman*
- 12:00 Examining the automaticity of sound–shape correspondences  
*Yi-Chuan Chen, Pi-Chun Huang*
- 12:15 tCFS: A new 'CFS tracking' paradigm reveals uniform suppression depth regardless of target complexity or salience  
*David Alais, Jacob Coorey, Randolph Blake, Matthew Davidson*
- 12:30 Modeling Depth Cue Combination  
*Christopher Tyler*
- 12:45 3D-cue integration does not increase the reliability of depth estimates: Evidence from a new test of the Just Noticeable Difference.  
*Fulvio Domini, Jovan Kemp*

### Oscillations & Cortical Processing Talk session

- 11:00 Alpha rhythms support coherent natural vision through feedback to early visual cortex  
*Lixiang Chen, Radoslaw Martin Cichy, Daniel Kaiser*
- 11:15 Pre-stimulus alpha speed dictates the precision of visual perception  
*Vincenzo Romei, Claudia Poch, Luca Tarasi*
- 11:30 The faster the better: alpha peak frequency is related to general visual performance  
*Maëlan Q. Menétrey, Michael H. Herzog, David Pascucci*
- 11:45 Predicting Binocular Rivalry Individual Differences from Resting MEG Aperiodic Alpha  
*Janine Mendola, Eric Mokri, Jason Da Silva Castenheira*
- 12:00 Contextual modulation of laminar BOLD profiles in V1  
*Joseph Emerson, Karen Navarro, Cheryl Olman*
- 12:15 Discrete classes of neural activations for binocular disparity in human visual cortex  
*Andrew Parker, Ivan Alvarez, Alessandro Mancari, Betina Ip, Holly Bridge*
- 12:30 Perceptography: unveiling visual perceptual hallucinations induced by optogenetic stimulation of the inferior temporal cortex.  
*Elia Shahbazi, Timothy Ma, Martin Pernus, Walter Scheirer, arash Afraz*
- 12:45 White matter tracts connecting ventral and dorsal visual streams have distinct microstructural profiles and developmental trajectories  
*Zoha Arif, Sophia Vinci-Booher, Franco Pestilli*

## 13:00 - 14:30 Lunch Break

## 14:30 - 16:00 Time & Magnitude processing; Motion & Biological Motion; Serial Dependence Talk session

## Time & Magnitude processing session

- 14:30 Feature selective adaptation of numerosity perception  
*Roberto Arrighi, Camilla Caponi, Paolo Grasso, Elisa Castaldi*
- 14:45 The symmetry-induced numerosity underestimation is attention-dependent  
*Paula A. Maldonado Moscoso, Giuseppe Maduli, Giovanni Anobile, Roberto Arrighi, Elisa Castaldi*
- 15:00 Motor and visuomotor numerosity channels derived from individual differences  
*Irene Petrizzo, Giovanni Anobile, Roberto Arrighi, Guido Marco Cicchini, Daisy Paiardini, David Burr*
- 15:15 A Bayesian model for the estimation of the number of hidden objects  
*Alexander C. Schütz, Hui Men*
- 15:30 Temporal recalibration of sensorimotor contingencies of saccades can result from visual information alone  
*Wiebke Nörenberg, Richard Schweitzer, Martin Rolfs*
- 15:45 Temporal dissociation of localization and categorization tasks in Continuous Flash Suppression  
*Florian Kobylka, Günter Meinhardt*

## Motion & Biological Motion session

- 14:30 Accelerating Visual Self-Motion is not Misperceived as Gravity when Judging Body Orientation on Earth or in Space  
*Bjoern Joerges, Nils Bury, Meaghan McManus, Ambika Bansal, Robert Allison, Michael Jenkin, Laurence R. Harris*
- 14:45 Tracking the dynamics of emerging neural representations via movement trajectories  
*Manuel Varlet, Genevieve Quek, Tijn Grootswagers, Roger Koenig-Robert*
- 15:00 How unconscious retinotopic motion processing affects non-retinotopic motion perception  
*Michael Herzog, Marc Lauffs, Oh-Hyeon Choung, Haluk Ogmen*
- 15:30 Can you learn not to respond to irrelevant motion while making fast arm movements?  
*Eli Brenner, Lara M de Jonge, Niels JJ Tiems, Jeroen BJ Smeets, Emily Crowe*
- 15:45 Spatiotemporal profile of flash mislocalization in the vicinity of motion  
*Mohammad Shams, Peter Kohler, Patrick Cavanagh*

## Serial Dependence Papers session

- 14:30 Pre-saccadic alpha power is predictive of serial dependence in orientation judgement.  
*Chiara Terzo, Giacomo Ranieri, Xinyu Xie, maria concetta morrone, David Burr*
- 14:45 Serial dependencies for external and self-produced stimuli  
*Sandra Tyralla, Clara Fritz, Eckart Zimmermann*
- 15:00 Serial dependence in orientation perception in adults with autism spectrum disorder  
*Masaki Tsujita, Naoko Inada, Ayako H. Saneyoshi, Tomoe Hayakawa, Shin-ichiro Kumagaya*
- 15:15 Serial dependencies in visual stability during self-motion  
*Manuel Bayer, Eckart Zimmermann*
- 15:30 Serial dependence in dermatological judgments  
*David Whitney, Zhihang Ren, Mauro Manassi, Xinyu Li*
- 15:45 Explicit and Implicit Ensemble Perception: Same or Different  
*Shaul Hochstein, Noam Khayat, Marina Pavlovskaya*

## 16:15 - 17:15 Multisensory Perception; Oscillations & Cortical Processing Poster Sessions

### Multisensory Perception Poster Session

Psychological Effect of Color and Aroma of Olive Oil on Predicted Taste and Deliciousness  
*Akihisa Takemura, Shino Okuda, Katsunori Okajima, Tsubasa Yamaguchi*

Congruent sounds enhance the visual perception of actively masked biological stimuli  
*Stefano Ioannucci, Petra Vetter*

Visuo-haptic multisensory integration in actions toward oriented objects  
*Francesco Ceccarini, Zoltan Derzsi, Robert Volcic*

Cue Combination in Weight Perception with Familiar and Novel Cues  
*Olaf Kristiansen, Meike Scheller, Marko Nardini*

The eyes are captured by animate images without conscious visual perception  
*Junchao Hu, Miriam Gfeller, Stephanie Badde, Petra Vetter*

Image-to-audio generation as a tool for stress relief  
*Florin Girbacia, Daniel Gheorghe Voinea*

The effect of wearing a face mask on lip-reading and audiovisual speech perception.  
*Yuta Ujije, Kohske Takahashi*

Dimension-based distractor handling in visual search: evidence from behavioral and electrophysiological measures  
*Shao-Yang Tsai, Jan Nasemann, Thomas Töllner, Hermann Müller, Zhuanghua Shi*

Examining Auditory Modulations on Detecting and Integrating Visual Global Motion  
*Pi-Chun Huang, Yi-Chuan Chen, Ang-Ke Ku*

The role of visual and auditory information in the identification of the type of tennis serve: A pilot study  
*Fabrizio Sors, Matteo Turci, Claudia Virginia Manara, Mauro Murgia, Tiziano Agostini*

Internal and external triggers modulate ambient & focal processing of scenes and website pages  
*Thomas Le Bras, Lou Farro, Lisa Formentini, Alexandre Milisavljevic, Benoit Allibe, Karine Doré-Mazars*

Visual and haptic pleasantness of geometric patterns  
*Myrthe Plaisier, Quinn van Rooy, Kynthia Chamilothoni*

Second-order spectral space : a common computational scheme underlying visual and auditory texture perception  
*Isamu Motoyoshi, Hironori Maruyama, Kosuke Okada*

Neutral grey judgements as a tool to reveal odour-colour correspondences  
*Ryan Ward, Maliha Ashraf, Sophie Wuerger, Alan Marshall*

Reduced contextual effects and sensory specialization in duration perception in autism  
*Inbar Avni Ben Zvi, Bat Sheva Hadad, Hagit Hel Or*

Pupillary measures of audio-visual binding can predict the varied severity of motion sickness  
*Revital Zilka, Yoram Bonne*

Verbal or visual representation of side effects: Does this affect the judgement of driving behavior?  
*Lea Laasner Vogt, Swen Jonas Kühne, Sabine Maja Bremermann-Reiser, Ester Reijnen*

Bayesian multilevel modelling of simultaneity judgements discriminates between observer models and reveals how participants' strategy influences the window of subjective synchrony  
*Kielan Yarrow, Joshua Solomon, Derek Arnold, Warrick Roseboom*

Semantic interaction between music and artworks  
*Francesco De Benedetto, Alice Mado Proverbio*

Crossmodal integration in movieclips containing short sentences and everyday-life scenes  
*Anastasia Maria Kesoglou, Kyriaki Mikellidou*

Spatial contextual cues can be used to guide interception  
*Emily M. Crowe, Jeroen B. J. Smeets, Eli Brenner*

Interaction between color and orientation in the perception of visual variance  
*Sachiyo Ueda, Shuya Hlrose, Reiko Yakushijin, Akira Ishiguchi*

## Oscillations & Cortical Processing Poster Session

Altered resting-state functional connectivity of the cortical central visual field representation in individuals with myopia  
*Natalia Zaretskaya, Marilena Wilding, Laura Posch-Pertl, Martin Weger, Christian Enzinger, Anja Ischebeck*

Motion-induced SSVEPs without motion processing: large-scale cortical dynamics can interact with moving stimuli to produce SSVEPs  
*Ilker Duymaz, Nihan Alp*

Cortical initiation of spontaneous reversals of visual perception  
*Murat Can Mutlu, Ehsan Kakaei, Jochen Braun*

Entrainment of perceptually relevant brain oscillations in visual contour integration: Evidence from tACS and Audio-Visual Entrainment  
*Giulio Contemori, Carolina Maria Oletto, Giuseppe Di Dona, Luca Ronconi, Luca Battaglini, Marco Bertamini*

Predictive processing in the cortical network of biological motion perception  
*Murat Batu Tunca, Burcu A. Urgan*

Statistical learning of view-invariance and order-of-appearance revealed by cortical representation of synthetic objects  
*Ehsan Kakaei, Jochen Braun*

Anatomy of complex perceptual decision making processes in humans  
*Adam Koblinger, József Arató, Jozsef Fiser*

Neural activation in visual processing regions was related to improvement in the misestimation of body size  
*Yumi Hamamoto, Kentaro Honda, Ryo Ishibashi, Yi Ding, Rui Nouchi, Motoaki Sugiura*

Imaginary scenes are represented in cortical alpha activity  
*Rico Stecher, Daniel Kaiser*

Abnormal networks connections to early visual cortex in posterior cortical atrophy  
*Atira Bick, Ayelet McKyton, Haya Glick-Shames, Netaniel Rein, Netta Levin*

Increased Gamma Oscillations are Associated with Visual Working Memory Load  
*Maria Lev, Oren Kadosh, Ziv Siman Tov, Uri Polat*

Neural correlates of visual discomfort: insights from magnetoencephalography (MEG)  
*Georgie Powell, Petroc Sumner, Hannah Thomas, Alice Price, Lucie Reed, Gavin Perry, Krish Singh*

Can we make the brain symmetry-blind?  
*Alexis Makin, Ned Buckley, Emma Austin*

Dissociating the role of visual field maps within the occipital place area  
*Catriona Scrivener, Edward Silson*

One in Four People Do Not Perceive Phosphenes During Transcranial Magnetic Stimulation on the Primary Visual Cortex  
*Phivos Phylactou, Nikos Konstantinou*

Population receptive field size in human V1, V2 and V3 varies as a function of cortical depth  
*Maya A. Jastrzębowska, Nicolás Gravel, Polina Iamschchinina, Daniel Haenelt, Nikolaus Weiskopf, Radoslaw M. Cichy*

The effect of reduced temporal signal-to-noise ratio and participant motion on a population receptive field analysis  
*Elliot Howley, Susan Francis, Denis Schluppeck*

Short-burst stimulation design enhances steady-state VEP responses  
*Jun Li, Jing Chen, Matteo Valsecchi*

Changes in Connective Field properties between primary and later visual areas during visual recognition  
*Mayra Bittencourt, Marcus Daghlian, Marouska van Ommen, Remco Renken, Serge Dumoulin, Frans Cornelissen*

Task-dependent switching of the tuning properties of F5 mirror neurons  
*Lilei Peng, Alexander Lappe, Shengjun Wen, Martin Giese, Peter Thier*

Alpha and theta rhythms support perceptual and attentional sampling in visual performance  
*Caterina Bertini, Luca Ronconi, Gianluca Marsicano, Jessica Gallina*

Is there an optimal stimulation rate for frequency-tagged visual word-selective responses?  
*Marion Marchive, Bruno Rossion, Louis Maillard, Alette Lochy*

Ensemble perception: Disparities in processing across the visual processing hierarchy  
*Chien-Chun Yang, Yi-Chuan Chen, Su-Ling Yeh*

16:15 - 17:15 Coffee Break

18:00 - 22:00 Tour & Conference Dinner

## Thursday, 31 Aug

---

8:30 - 10:00 Symposia

### Symposium 7: The Interplay Between Vision and Action

Chair: Joo-Hyun Song

- 8:30 Working memory load influences sensorimotor simulation during reading.  
*Laura E. Thomas*
- 8:50 Integrating Mental And Sensorimotor Workspaces  
*Joo-Hyun Song*
- 9:10 Beyond labeling THINGS-IN-3D: Is one visual hierarchy enough?  
*Maryam Vaziri-Pashkam*
- 9:30 Computational modelling of continuous reaching tasks reveals novel relationships between visual target selection and execution of reaching movements  
*Dietmar Heinke*

### Symposium 8: Emergent categories of visual objects and scenes in infancy and deep neural networks: Brain constraints, learning, training, and language

Chair: Liuba Papeo & Jean-Remy Hochmann

- 8:30 Footprints of visual cortex organization in early object categorization  
*Céline Spriet, Jean-Rémy Hochmann, Liuba Papeo*
- 8:50 Multivariate assessment of visual category representations in the infant brain from EEG  
*Siying Xie, Radoslaw Cichy*
- 9:10 Using deep neural networks as a model for the development of human visual categories  
*Hans Op de Beeck*
- 9:30 Categorizing scenes based on gist emerges by 18 months  
*Maja Blesić, Agnes Kovacs*

10:00 - 11:00 Coffee Break

10:00 - 11:00 Object perception and Scene Perception; Emotion & Social Talk Poster Sessions

### Object and Scene Perception Poster Session

High-level visual information of local fragments affects object recognition  
*Elsa Scialom, Udo Ernst, David Rotermund, Michael H. Herzog*

The Temporal Dynamics of Size Constancy in Natural Scenes  
*Lu-Chun Yeh, Daniel Kaiser, Elisa Battistoni, Surya Gayet, Marius Peelen*

Is peripheral object discrimination relying on visual imagery?  
*Carolina Maria Oletto, Giulio Contemori, Luca Battaglini, Marco Bertamini*

The probabilistic nature of coding episodic memories  
*Jozsef Fiser, David Magas*

Spontaneously emerging structural constraints and top-down expectations jointly determine representational efficiency in a predictive coding network  
*Stefan Brugger, Rosalyn Moran, Christoph Teufel*

Feature synergy is based on regional saliency during figure-ground segregation  
*Cordula Hunt, Günter Meinhardt*

Are visual processing tendencies associated with a difference in Body Image Concern?  
*Elena Buß, Alexander Pastukhov, Claus-Christian Carbon*

Using the Natural Scenes Dataset to identify brain regions responsive to the colour statistics of objects in natural scenes  
*Ian Pennock, Jenny Bosten, Anna Franklin*

Task-independent allocentric representation of symmetry using polygons  
*Elena Karakashevska, Alexis Makin, Marco Bertamini*

Individual Differences in Internal Models Determine Scene Perception  
*Gongting Wang, Matthew Foxwell, Radoslaw Cichy, David Pitcher, Daniel Kaiser*

The effect of natural scene statistics in static and dynamic synthetic images on perceived restoration and shape discrimination  
*Michelle Roberts, Carolyn Lee, Branka Spehar*

AI versus CG, AI generated convincing materials in different shapes  
*Yuguang Zhao, Huib de Ridder, Jeroen Stumpel, Maarten Wijnjtes*

Influence of curvature and visual context on the perception of artificial human skin appearance  
*Soyogu Matsushita*

Animal, plant or mineral: disentangling object concepts from visual features  
*Sophia Shatek, Thomas Carlson*

Cardinal repulsion biases of real-world objects in three dimensions  
*Anantaporn Sena, Rosanne Rademaker, Chaipat Chunharas*

Out of sight: The Impact of Hidden Objects on Visual Search in 3D Scenes.  
*Jonathan Niklas Mader, Erwan David, Melissa Lê-Hoa Vo*

Do changes in the ability to perceive shape from shading index cognitive function? Evidence for sex-specific effects.  
*Beverley Pickard-Jones, Ayelet Sapir*

Untangling the contributions of conceptual similarity and scene entropy in the success of meaning maps  
*Maarten Leemans, Claudia Damiano, Johan Wagemans*

Semantic Contrast: Quantifying the Change in Semantic Content Across Images  
*Sophie Heer, Marek A. Pedziwiatr, Peter Bex, Antoine Coutrot, Isabelle Mareschal*

Towards Fairly Evaluating Object Detection Performance in Humans and Machines  
*Vasha DuTell, Anne Harrington, Ayush Tewari, Mark Hamilton, Simon Stent, William T. Freeman, Ruth Rosenholtz*

A flower in a vase and a plant in a pot: The visual representation of spatial relations  
*Sofie Vettori, Jean-Rémy Hochmann, Liuba Papeo*

Spatial-frequency channels for object recognition by neural networks are twice as wide as those of humans. An explanation for shape bias?  
*Ajay Subramanian, Elena Sizikova, Najib J. Majaj, Denis G. Pelli*

Symmetry Detection in Images of Natural Scenes by Humans and Machines  
*Lisa Koßmann, Gonzalo Muradás Odriozola, Christophe Bossens, Johan Wagemans*

LangMark – object annotations for scenes with semantic inconsistencies to connect language models to vision science  
*Marek A. Pedziwiatr, Sophie Heer, Peter Bex, Antoine Coutrot, Melissa Le-Hoa Võ, Isabelle Mareschal*

## Emotion & Social Talk Poster Session

Investigating the Emotional Responses and Preferences of Individuals to AI-Generated visual stimuli  
*Simone Grassini, Mika Koivisto*

To investigate the influence of body perception and body satisfaction on eating attitudes  
*Xing-Rou Wong, Pin-Yun Lin, Chia-Yao Lin, Li-Chuan Hsu, Yi-Min Tien*

Online food choices: When does “recommended by” work?  
*Daniele Catarci, Lea Laasner Vogt, Swen Jonas Kühne, Lars Bläuer, Ester Reijnen*

Influence of context on facial expression perception in an at-risk sample of children with emotional difficulties  
*OZGE GEZER, CHRISTOPH TEUFEL, STEPHANIE VAN GOOZEN, ELISABETH VON DEM HAGEN*

Impact of morality on the attentional blink  
*Risako Shirai, Hirokazu Ogawa*

Seeing Trouble: Relationship between Sensitivity and Threat in response to Ambiguous Emotional Expressions  
*Deepshikha Prasad, Mary-Ellen McKendrick, Louise Delicato, Gnanathusharan Rajendran*

Proportional Rate Control: A strategy for Both Patient and Impatient Drivers  
*Didem Kadihasanoglu, Behic Bugra Biber, Rabia Barin Adsiz, Kayra Kaan Donmez, Xiaoye Michael Wang, Geoffrey P. Bingham*

A model of the interference caused by the presence of others: the role of others' intention.  
*Gabriele Pesimena, Alessandro Soranzo*

A model of the interference caused by the presence others  
*Alessandro Soranzo, Gabriele Pesimena*

Is imagination necessary for emotional engagement with verbal storytelling?  
*Noha Abdelrahman, Francesco Mantegna, Maria Pombo, David Melcher*

Real or fake? The authenticity evaluation of photojournalistic images depends on the viewers' political beliefs.  
*Beata Pacula-Leśniak, Joanna Pilarczyk, Tomasz Kulczycki, Michał Kuniecki*

Different leveraging of contextual visual information during the prediction of social and non-social perceptual events in typical and atypical neurodevelopment.  
*Alessandra Finisguerra, Sara Boscarol, Lucia Amoroso, Tiziana Zilli, Antonio Narzisi, Cosimo Urgesi*

Are social interactions preferentially attended in real-world scenes? Evidence from eye-tracking  
*Mahsa Barzy, Eugene McSorley, Rachel Morgan, Richard Cook, Katie Gray*

## Art & Aesthetics Poster Session

Put it into context: The impact of contextual information on aesthetic engagement of artworks  
*Kohinoor Darda, Anjan Chatterjee*

Low aesthetic value ("ugliness") without semantics  
*C. Alejandro Parraga, Marcos Muñoz González*

The effects of art expertise on the relationship between perceived object stability and aesthetic judgments  
*Emika Okumura, Toshimasa Yamanaka*

The effect of agency on the beauty of images  
*Anna Bruns, Denis Pelli*

Exploring preference for symmetry using the method of production  
*Andreas Gartus, Helmut Leder*

Effects of Spatial Ability on Complexity Preference in the Aesthetic Appreciation of Chinese Landscape Paintings  
*Kunlin Jin, Kang Zhang, Rongrong Chen*

The automaticity of 'seeing-in': Pictorial depth cues influence judgments of surrounding spatial relationships even when task-irrelevant  
*June Huang, Kexuan Zhang, Benjamin van Buren*

Objective vs subjective order and complexity in relation to aesthetics tested with evolutionary algorithms  
*Elisabeth Van der Hulst, Alexander Pastukhov, Eline Van Geert, Claus-Christian Carbon, Johan WAGEMANS*

Aesthetic experience in museum vs. laboratory: psychophysiological and behavioral evidence  
*Serena Castellotti, Ottavia D'Agostino, Maria Del Viva*

Psychophysiological and behavioral responses to informative labels in modern art museums  
*Maria Michela del Viva, Serena Castellotti, Ottavia D'Agostino, Stefano Mastandrea, Irene Baldriga*

11:00 - 13:00 Contrast, Lightness, Adaptation; Real-world settings & VR Talk session

## Lightness, Brightness, Contrast & Adaptation session

- 11:00 Contrast Modulation Effects for Different Flanker Contrasts, Separations, and Eccentricities  
*Luca Battaglini, Giulio Contemori, Gianluca Campana, Charles Wani Victor Ladu, Giuditta Cossi, Marcello Maniglia*
- 11:15 Achromatic Increment and Decrement Contrast Processing Differs Qualitatively  
*Rhea Eskew, Yangyi Shi*
- 11:30 Two kinds of top-down effects in an edge integration model of lightness  
*Michael Rudd*
- 11:45 Seeing in the dark: face recognition, reading and visual crowding under scotopic conditions  
*Deena Elul, Ayelet McKyton, Netta Levin*
- 12:00 Adaptation to invisible flicker induces spatial distance compression  
*Ljubica Jovanovic, Paul McGraw, Neil Roach, Alan Johnston*
- 12:15 Transfer of motor and CD gain adaptation in the vicinity of the adaptation target  
*Jana Masselink, Markus Lappe*
- 12:30 Posture aftereffects – Does the visual system adapt to different representations of posture?  
*Eva Tzschaschel, Kevin R. Brooks, Ian D. Stephen*
- 12:45 Sensorimotor Adaptation while Navigating in Uncertain Virtual Environments  
*Benedikt Kretzmeyer, Meaghan McManus, Constantin Rothkopf, Katja Fiehler*

## Real-world settings & VR Papers session

- 11:00 Navigating Virtual Worlds: A Graph Theoretical Analysis of Eye Tracking Data Recorded in Virtual Reality to Examine Spatial Navigation  
*Jasmin L. Walter, Vincent Schmidt, Lucas Essmann, Sabine U. König, Peter König*
- 11:15 Toward Automatic Detection of Gaze Events in Natural and Dynamic Viewing  
*Ashkan Nejad, Gera de Haan, Joost Heutink, Frans Cornelissen*
- 11:30 Presence in VR predicts hedonic, but not practical user experience rating in an orthoptic psychomotor learning simulation.  
*Georg Meyer, Jignasa Mehta, David Newsham, Ryan Ward, Simon Champion*
- 11:45 The effects of depth of field on attention in whilst exploring a virtual environment  
*Szonya Durant, Doga Gulhan, Harsimran Suri, Joshua Haider-Smith, Kiah Vekaria*
- 12:00 Investigating obstacle avoidance for real and pictorial obstacles  
*Martin Giesel, Daniela Ruseva, Constanze Hesse*
- 12:15 Head movements influence visual stability across gaze shifts  
*Eckart Zimmermann, Manuel Bayer*
- 12:30 Hemianopia, cycling and scanning behaviour in virtual and real environments  
*Eva Postuma, Gera de Haan, Ashkan Nejad, Joost Heutink, Frans Cornelissen*
- 12:45 Effect of saliency on gaze behaviour in VR Visual Search  
*Tamara Watson, Niklas Stein, Markus Lappe, Szonya Durant*

13:00 - 14:30 Lunch Break

14:30 - 16:00 Object perception; Emotion & Social Talk session

## Object perception session

- 14:30 Using AI-generated synthetic images to drive object responses in the human brain  
*Tijl Grootswagers, Genevieve Quek, Jessica Chin, Manuel Varlet*
- 15:00 Human shape perception spontaneously discovers the biological origin of never-before-seen stimuli  
*Guido Maiello, Kira Dehn, Frieder Hartmann, Yaniv Morgenstern, Sara Joy Hawkins, Thomas Offner, Joshua Walter, Thomas Hassenklöver, Ivan Manzini, Roland Fleming*
- 15:15 The representation of diverse visual material properties in the human brain  
*Hua-Chun Sun, Filipp Schmidt, Jacob Cheeseman, Alexandra Schmid, Martin Hebart, Roland Fleming*

- 15:30 Interactive images for visual material communication  
*Maarten Wijntjes, Aaron Kaltenmaier*
- 15:45 Behavioral detectability of optogenetic stimulation of inferior temporal cortex varies with the visibility and size of concurrently viewed objects.  
*Rosa Lafer-Sousa, Karen Wang, Reza Azadi, Simon Bohn, Emily Lopez, Arash Afraz*

### Emotion & Social Talk session

- 14:30 Neural mechanisms of costly helping in the general population and mirror-pain synesthetes  
*Kalliopi Ioumpa, Selene Gallo, Christian Keysers, Valeria Gazzola*
- 14:45 The Influence of Hatha Yoga on Stress, Anxiety, and Suppression  
*Bence Szaszko, Rebecca Rosa Schmid, Ulrich Pomper, Mira Maiworm, Sophia Laiber, Hannah Tschenett, Urs Nater, Ulrich Ansorge*
- 15:00 Neural dynamics supporting context-based social perception in health and disease  
*Lucia Amoroso, Shuang Geng, Nicola Molinaro, Santiago Gil-Robles, Garazi Bermudez, Iñigo Pomposo, Ileana Quiñones, Manuel Carreiras*
- 15:15 Social Perceptual Grouping is Sensitive to Group Size  
*Jelena Ristic, Luwei Yan, Clara Colombatto*
- 15:30 Integrative processing in artificial and biological vision predicts the perceived beauty of natural images  
*Sanjeev Nara, Daniel Kaiser*

## 16:15 - 17:15 Contrast, Lightness, Adaptation; Real-world settings & VR Poster Sessions

### Contrast, Lightness, Adaptation Poster Session

- Glare's calculated patterns of light on retinal receptors  
*Alessandro Rizzi, John McCann*
- Modelling age-related changes in spatio-chromatic contrast sensitivity across a large luminance range  
*Maliha Ashraf, Sophie Wuerger, Jasna Martinovic, Rafal Mantiuk*
- Adaptative binocular disparity behaviours in response to contrast changes in a reading-like task  
*Ruomeng Zhu, Richard Shillcock*
- Contour erasure reveals local mechanisms underlying perceptual filling-in  
*Mark Greenlee, Yih-Shiuan Lin, Chien-Chung Chen*
- Individual differences in crowding and their impact on feature and conjunction search  
*Ines Verissimo, Christian Olivers*
- Impact of crowding on visual appearance in Amblyopia  
*Ángela Gomes Tomaz, Sunwoo Kwon, Dennis M. Levi, Wolf M. Harmening, Bilge Sayim*
- Temporal modulation of redundancy masking  
*Mert Can, Bilge Sayim*
- Is visual angle equal to retinal angle?  
*Hans Strasburger, Michael J. Simpson*
- AIM+ (Angular Indication Measurement) Efficient Assessment of Multidimensional Functions  
*Peter Bex, Jan Skerswetat*
- Shape from shading consists of pre-attentive and attentive processes  
*Ayelet Sapir*
- Intra-object brightness contrast influences perceived time to collision  
*Christoph von Castell, Carolin Sweeney, Heiko Hecht*
- Visual function in non-overlapping visual field defects: dichoptic experiments in healthy subjects with simulated scotomas  
*Mehrdad Gazanchian, Frans W. Cornelissen, Nomdo M. Jansonius*
- THEORETICAL CONSEQUENCES OF THE MANIATIS VARIATION OF SLC  
*Predrag Nedimović, Sunčica Zdravković*

Exploring the contrast sensitivity function through noise equivalent contrast  
*Hannah E. Broadbent, Eric Liggins*

Effects of Delay Adaptation on Multisensory and Motor Integration for Duration Reproduction  
*Lingyue Chen, Zhuanghua Shi*

No pooling in crowding: Deterioration of orientation discrimination with increasing numbers of identical Gabors  
*Li L-Miao, Sabrina Hansmann-Roth, Wolf M. Harmening, Bilge Sayim*

Confidence in the Rapid Assessment of Peripheral Crowding Strength  
*Dilce Tanriverdi, Frans W. Cornelissen*

Crowding reduces reading speed and comfort  
*Maria Pombo, Minjung Kim, Denis G. Pelli*

Redundancy masking in regular and irregular patterns  
*Bilge Sayim, Sabrina Hansmann-Roth*

What is gloss?  
*Roland Fleming*

Glare from LED illuminants of different colour temperature under simulated driving conditions at night  
*Beatriz M Matesanz, Eduardo G Vicente, Miguel Rodriguez-Rosa, Luis A Issolio, Isabel Arranz*

Identifying the principles of causal perception through visual adaptation transfer  
*Jonathan F. Kominsky*

Audiovisual spatial ventriloquism is reduced in musicians.  
*Matthew O'Donohue*

Transfer of refference signal adaptation across smooth pursuit speeds  
*Rozana Ovsepian, David Souto, Alexander C. Schütz*

Effect of spatial context on perceived walking direction  
*Chang Chen, W. Paul Boyce, Colin J. Palmer, Colin W.G. Clifford*

Second Order Chromatic Contrast Sensitivity  
*Marcelo Fernandes Costa, Otávio Correa Pinho, Leonardo Dutra Henriques*

Feed-forward projections from V1 to EBA sustain body visual adaptation: a ccPAS study  
*Cosimo Urgesi, Giulia D'Argenio, Alessandra Finisguerra*

Individual differences in change detection and the motion aftereffect  
*Kristina Zeljic, Joshua Solomon, Michael Morgan*

Neurophysiological correlates of foveal crowding and tagging  
*Ziv Siman Tov, Maria Lev, Uri Polat*

Unveiling the foveal rod scotoma through an afterimage  
*Lisa Widmayer, Hui Men, Alexander C. Schütz*

## Real-world Settings & VR Poster Session

Investigating the Impact of Audio-Visual Training in Virtual Reality on Learning Outcomes through Multisensory Integration: An Analysis of fMRI and DTI Data  
*kholoud alwashmi, Georg Meyer, Fiona Rowe*

Systematic Bias in Object Location Memory Across Perspectives: Evidence from Immersive Virtual Reality  
*Vladislava Segen, Marios Avraamides, Thomas Wolbers, Jan Wiener*

Facial expression recognition modulated by forward and backward steps in virtual reality  
*Yugo Kobayashi, Hideki Tamura, Shigeki Nakauchi, Tetsuto Minami*

Recording fixation onset ERPs in virtual reality  
*Debora Nolte, Marc Vidal de Palol, Ashima Keshava, John Madrid, Anna L. Gert, Peter König*

Depth Cues Reduction and Perception of Audiovisual Synchrony in Virtual Reality  
*Victoria Korshunova-Fucci, Hsiao Ming Fan, Jinqi Liu, Raymond H. Cuijpers*

Teleporting impairs scene recognition in virtual environments.  
*Christodoula Gabriel, Adamantini Hatzipanagioti, Alexia Galati, Savvas Avraam, Marios Avraamides*

Stride length decreases during overground walking while wearing a head mounted display  
*Maximilian Stasica, Gregor Schwinn, André Seyfarth*

Modulation of Postural Control and Somatosensory Processing via Predictability in a Virtual Moving Room  
*Fabian D. Wachsmann, Dimitris Voudouris, Katja Fiehler*

The type of interaction with virtual environment influences on presence effect  
*Yulia Rogoleva, Artem Kovalev*

Vertical vergence and screen alignment with see-through head-mounted displays  
*Agostino Gibaldi, Yinghua Liu, Christos Kaspiris-Rousellis, Madhumita Mahadevan, Björn N. S. Vlaskamp, Gerrit W. Maus*

16:15 - 17:15 Coffee Break

17:15 - 18:15 Business Meeting

20:00 - 22:00 Farewell Party