



THURSDAY 29TH AUGUST

Thursday 29th August

Poster Session 7 [odd numbers] 09.00–10.30 (Hall B)

- 1 **Eye movement perimetry in the pediatric population**
Anna Bøthun¹
¹Rigshospitalet (DK)
- 3 **Frontal Eye Field's Role in Visuomotor Learning: A Functional Connectivity Study**
Fahad AL Harshan¹, Georg Meyer¹, Fiona Rowe¹, Abdulrahman Aloufi²
¹University of Liverpool (UK), ²University of Qassim (SA)
- 5 **Percept durations of light flashes induced by microstimulation in visual cortex of blind human subjects**
Richard Van Wezel¹, Youp van Oosterhout¹, Leili Soo², Fabrizio Grani², Marc van Wanrooij¹, Eduardo Fernandez²
¹Donders Institute (NL), ²Universidad Miguel Hernandez (ES)
- 7 **Spatial biases of overt attention and covert attention diverge during the free-viewing of videos**
Yuqing Cai, Antonia F. Ten Brink¹, Stefan Van der Stigchel¹, Marnix Naber¹, Christoph Strauch¹
¹Utrecht University (NL)
- 9 **The link between space and time along the human cortical hierarchy**
Gianfranco Fortunato¹, Valeria Centanino², Domenica Bueti²
¹SISSA (IT), ²International School for Advanced Studies (SISSA) (IT)
- 11 **Visually guided grasping in tool use: movement planning takes into account changes in tool orientation**
Molly Hewitt¹, Ken Valyear¹, Simon Watt¹
¹Bangor University (UK)
- 13 **Prolonged fixation durations in color deficient observers**
Doris Braun¹, Karl Gegenfurtner¹
¹Giessen University (DE)
- 15 **Conscious Awareness Enhances Attentional Inhibition and Accelerates Attentional Sampling**
Fang Yang¹, Peijun Yuan¹, Shen Li², Ke Zhou³, Sheng He^{2,4}, Yi Jiang²
¹University of Chinese Academy of Sciences (CN), ²State Key Laboratory of Brain and Cognitive Science, CAS Center for Excellence in Brain Science and Intelligence Technology (CN), ³Faculty of Psychology, Beijing Normal University (CN), ⁴Institute of Biophysics, Chinese Academy of Sciences (CN)
- 17 **The illusion of absence: Perceiving occluded space as empty**
Pierre Pascal Forster¹, Marcin Czub², Simon Jan Hazenberg¹, Vebjørn Ekroll³, Rob van Lier¹
¹Donders Institute for Brain, Cognition, and Behaviour (NL), ²University of Wrocław (PL), ³University of Bergen (NO)
- 19 **Implicit learning of layout sequences in 3D**
Satoshi Shioiri¹, Qian Cheng¹, Chia Huei Tseng¹, Yasuhiro Hatori¹
¹Tohoku University (JP)
- 21 **Unveiling Biases in Automated Facial Action Unit Detection Systems**
Hilal Nizamoglu Caliskan¹, Katharina Dobs¹
¹Justus Liebig University in Giessen (DE)



THURSDAY 29TH AUGUST

- 23 **Memory matters: Unraveling serial dependence in visual perception**
Ekaterina Andriushchenko¹, Andrey Chetverikov², Gianluca Campana³
¹University of Padova (IT), ²University of Bergen (NO), ³University of Padua (IT)
- 25 **Temporal Continuity in Visual Perception: Serial Dependence in Time Perception and Relationship with Working Memory**
Jessica Bertolasi¹, Davide Esposito¹, Anna Vitale¹, David Charles Burr¹, Monica Gori
¹Istituto Italiano di Tecnologia (IT)
- 27 **How realistic are AI-generated faces?**
Alexis Mcguire¹, Matyas Bohacek², Hany Farid³, Paul Taylor¹, Sophie Nightingale¹
¹Lancaster University (UK), ²Stanford University (US), ³University of California, Berkeley (US)
- 29 **Investigating rhythmic visual perception with a display-wide resetting event: Evidence for lateralization of perceptual rhythms?**
Tobias Schoeberl¹, Stefan Treue¹
¹German Primate Center (DE)
- 31 **The Speed of Learning: Effect on Category Structure and Post-Acquisition Performance**
Johannes Schultz-Coulon¹, James W. Tanaka², Brett D. Roads³
¹Maastricht University (NL), ²University of Victoria (CA), ³University College London (UK)
- 33 **The Effect of Distance on the Overestimation of Gaze Endpoint Eccentricity**
Gernot Horstmann¹, Linda Linke
¹Bielefeld University (DE)
- 35 **Assessing cortical visual field loss across the visual field**
Hugo Chow-Wing-Bom¹, Matteo Lisi², Freya Lygo-Frett¹, Roni Maimon-Mor¹, Frederic Dick¹, Tessa Dekker¹
¹University College London (UCL) (UK), ²Royal Holloway University of London (UK)
- 37 **Peripheral crowding is invariant under different luminances**
Frans Cornelissen¹, Dilce Tanriverdi¹, Nomdo Jansonius¹
¹University Medical Center Groningen (NL)
- 39 **The effect of non-visual cues on estimating travel distance using peripheral or central optic flow**
Ambika Bansal¹, Hongyi Guo¹, Robert S. Allison¹, Laurence R. Harris¹
¹Centre for Vision Research, York University (CA)
- 41 **Do stimulus history effects in color perception depend on distal or proximal stimulus properties?**
Maria Olkkonen¹, Toni Saarela¹
¹University of Helsinki (FI)
- 43 **Social perception from faces and bodies**
R. Thora Bjornsdottir¹, Paul Connor², Nicholas O. Rule³
¹University of Stirling (UK), ²Stevens Institute of Technology (US), ³University of Toronto (CA)
- 45 **The effect of stress physiology on duration and contrast perception**
Anna Tonon Appiani¹, Paola Binda², Oliver Thomas Wolf³, Domenica Bueti¹
¹International School for Advanced Studies (SISSA) (IT), ²University of Pisa (UNIFI) (IT), ³Ruhr University Bochum (RUB) (DE)
- 47 **Emerald isles versus emerald cities: The role of greenery in psychological judgements of environments**
Ute Leonards¹, Chaeyeon Lim¹, Jay Davies¹, Jasmina Stevanov¹
¹University of Bristol (UK)



THURSDAY 29TH AUGUST

- 49 **The Leuven Orthogonalized Art Dataset (LOAD): A Multidimensional Art Image Set for Aesthetic Appreciation Research**
Yi Lin¹, Hans Op de Beeck¹, Johan Wagemans¹
¹Ku Leuven (BE)
- 51 **Towards Visual Acuity Estimation from Eye Movements**
Michael Lellouch¹, Aviel Hadad², Erez Tsumi², Ohad Ben-Shahar¹
¹Ben-Gurion University (IL), ²Ben-Gurion University and Soroka Medical Center (IL)
- 53 **Synthetic vision displays**
Heiko Hecht¹, Elisabeth M. Wögerbauer
¹Universität Mainz (DE)
- 55 **Stimulus distributions influence applicability of different adaptive approaches for categorization experiments**
Rabea Turon¹, Thomas S. A. Wallis¹, Frank Jäkel¹
¹TU Darmstadt (DE)
- 57 **Handling visual distractors via negative filters: insights from serial dependence**
Christian Houborg¹, David Pascucci^{2,3}, Árni Kristjánsson⁴
¹Giessen University (DE), ²The Radiology Department, Lausanne University Hospital and University of Lausanne (CH), ³The Sense Innovation and Research Center, Lausanne (CH), ⁴Department of Psychology, School of health sciences, University of Iceland (IS)
- 59 **High levels of awareness for reflexive and deliberate eye movements**
Jan-Nikolas Klanke¹, Sven Ohl¹, Martin Rolfs¹
¹Humboldt-Universität zu Berlin (DE)
- 61 **Enriching Strabismus Evaluation through Immersive Virtual Reality and Comprehensive Cover Test Protocols**
Federico Ferracini¹, Francesca Peveri¹, Agostino Gibaldi, Andrea Canessa¹, Silvio Sabatini¹
¹University of Genoa (IT)
- 63 **How watching yourself interacts with affective priming**
Azadeh Mozhdehfarahbakhsh¹, Jürgen Kornmeier³, Marc Wittmann³, Jannis König³, Amelia Lacassagne³, Sophia Saad³, Marvin Hottenbacher³, Clara Koinegg³, Ellen Joos³, Mareike Wilson²
¹Faculty for Biology, University of Freiburg (DE), ²Department of Psychiatry and Psychotherapy, University of Freiburg (DE), ³Institute for Frontier Areas of Psychology and Mental Health, Freiburg (DE)
- 65 **Neurophysiological correlates of prior exploitation in representational momentum**
Sara Stottmeier¹, Giuseppe Di Dona¹, Alessia Santoni¹, Klara Hemmerich¹, Luca Ronconi¹
¹Vita-salute San Raffaele University (IT)
- 67 **Balancing exploration and stabilization: age effects in gaze control during locomotion in a virtual environment**
Sophie Meissner¹, Jochen Miksch², Sascha Feder², Sabine Grimm², Wolfgang Einhäuser², Jutta Billino¹
¹Justus Liebig University Giessen (DE), ²Chemnitz University of Technology (DE)
- 69 **Investigating memory and learning effects on contextual feedback signals in layers of early visual cortex**
Zirui Zhang¹, Clement Abbatecola², Angus Paton², Yulia Lazarova², Lucy Petro², Lars Muckli²
¹University of Glasgow (UK), ²University of Glasgow, School of Psychology and Neuroscience (UK)
- 71 **Size constancy counteracts subjective image quality drop driven by vergence-accommodation conflict in stereoscopic displays**
Daniel Spiegel¹, Ian Erkelens¹
¹Meta Reality Labs (US)



THURSDAY 29TH AUGUST

- 73 **Visual acuity and stereopsis screening application: pilot validation on an elderly age group**
Dorottya Wiegand¹, Eszter Mikó-Baráth², Gábor Jandó², Adrienne Csutak³, Balázs Patczai⁴, Vanda A Nemes²
¹University of Pécs Medical School (HU), ²University of Pécs, Medical School, Institute of Physiology (HU), ³University of Pécs, Department of Traumatology and Hand Surgery (HU), ⁴University of Pécs, Department of Ophthalmology (HU)
- 75 **Hyperspectral Compression through Reflectance-Based Cone-Excitation Ratios**
Hamed Karimipour¹, Rio Coleman¹, Christoph Witzel¹
¹University of Southampton (UK)
- 77 **Representations of cue directionality and agent mental states in gaze following**
Florence Mayrand¹, Jelena Ristic¹
¹McGill University (CA)
- 79 **Sensitivity to oriented-content of the face is shaped by the nature of the horizontal cues**
Hélène Dumont¹, Alexia Roux-Sibilon¹, Vincent Bremhorst², Christianne Jacobs¹, Valérie Goffaux^{1,3}
¹IPSY (UCLouvain) (BE), ²SMCS (BE), ³IONS (BE)
- 81 **Automatic processing of variance in multiple facial expressions: Evidence from visual mismatch negativity**
Zilong Chen¹, Luyan Ji¹
¹Guangzhou University (CN)
- 83 **The consequences of preparing for informative or distracting stimuli**
Roy Shoval¹, Tal Makovski¹
¹Open University of Israel (IL)
- 85 **Is saccadic suppression related to metacontrast masking?**
Pragya Pandey¹, Mark Wexler¹
¹CNRS (FR)
- 87 **Structural constraints in sparse predictive-coding networks reconcile Bayesian and 'anti-Bayesian' effects in human orientation perception**
Stefan Brugger¹, Christoph Teufel¹
¹Cardiff University (UK)
- 89 **Creating High-Fidelity Human Avatars for Behaviour and Cognition Research**
Rachael Taylor¹, Lisa Huerta¹, Mike Burton², Markus Bindemann¹
¹University of Kent (UK), ²University of York (UK)
- 91 **Foraging through emotions: the role of emotional valence in target selection during visual foraging**
Jerome Tagu¹, Christelle Robert¹, Stephanie Mathey¹
¹University of Bordeaux (FR)
- 93 **Signalling of collision threats by predictive suppression of local optical flow from moving observers**
Matthias Keil¹
¹University of Barcelona (ES)
- 95 **Comparing Gaze-Mediated Orienting of Attention Between Schematic and Real Human Faces**
Mario Dalmaso¹, Giovanni Galfano, Alessandra Baratella, Luigi Castelli
¹University of Padova (IT)



THURSDAY 29TH AUGUST

- 97 **High-frequency alpha activity involved in the top-down control of internal representations during working memory maintenance**
Mate Gyurkovics¹, Gabriela Cruz¹, Katarzyna Jaworska¹, Matias Palva², Gregor Thut¹, Satu Palva²
¹University of Glasgow (UK), ²University of Helsinki (FI)
- 99 **Generalized energy operators for the analysis of local image structure**
Miles Hansard¹
¹QMUL (UK)
- 101 **Set size and scene background affects individual object and ensemble perception in naturalistic scenes**
Yanina Elise Tena Garcia¹, Bianca R. Baltaretu¹, Katja Fiehler¹
¹Justus-Liebig Universität Giessen (DE)
- 103 **Characterizing Surround Suppression with Dynamic Natural Scenes**
Merve Kiniklioglu¹, Daniel Kaiser¹
¹Justus-Liebig University Gießen (DE)
- 105 **Vigilant and Prepared: Working Memory-Driven Attentional Capture by Task-Irrelevant Threat Is Contingent Upon Action Preparation**
Chris Brown¹
¹Bournemouth University (UK)
- 107 **Necker cube's dominant interpretation can be explained by a lower-is-closer perceptual bias**
Sharon Gilaie-Dotan¹, Yoav Zilbertzan¹
¹Bar Ilan University (IL)
- 109 **Temporal (Un)certainty in Visual Search**
Alisa Höflinger¹, Ulrich Ansorge^{1,2,3}
¹University of Vienna (AT), ²Vienna Cognitive Science Hub, University of Vienna (AT), ³Research Platform Mediatized Lifeworlds, University of Vienna (AT)
- 111 **The neural dynamics of objects occluded by illusory contours**
Almudena Ramirez Haro¹, Genevieve Quek¹, Manuel Varlet¹, Tijn Grootswagers¹
¹Western Sydney University (AU)
- 113 **Retinal and cortical chromatic SSVEPs in normal and anomalous trichromats**
Jenny Bosten¹, Lucy Somers¹, Ana Rozman¹
¹University of Sussex (UK)
- 115 **Revealing the time-course of mid-level feature representations in scenes using rendered stimuli and ground-truth annotations**
Agnessa Karapetian¹, Alexander Lenders¹, Vanshika Bawa², Martin Pflaum³, Raphael Leuner¹, Gemma Roig⁴, Kshitij Dwivedi⁴, Radoslaw M. Cichy¹
¹Freie Universitaet Berlin (DE), ²Albert-Ludwigs-Universitaet Freiburg (DE), ³RWTH Aachen University (DE), ⁴Goethe University Frankfurt (DE)
- 117 **A Unified Computational Model for Contextual Effects on Facial Emotional Recognition**
Chiahuei Tseng¹, Shougo Kaminosono¹, Tan-Ni Yang², Satoshi Shioiri¹, Chien-Chung Chen
¹Tohoku University (JP), ²National Taiwan University (TW)
- 119 **An in-depth investigation of face perception in developmental prosopagnosia**
Jud Lowes¹, Peter J.B. Hancock¹, Anna K. Bobak¹
¹University of Stirling (UK)
- 121 **Is this the real life? Sense of reality as measured by pupil diameter**
Ariel Berlinger¹
¹Haifa University (IL)



THURSDAY 29TH AUGUST

- 123 **Effects of light level, material appearance, and virtuality on hand movements**
Martin Giesel¹, Daniela Ruseva¹, Constanze Hesse¹
¹University of Aberdeen (UK)
- 125 **Onset disambiguation of multistable displays perception relies on accumulation of sensory evidence over time**
Alexander Pastukhov¹, Ole Joseph Littke¹, Claus-Christian Carbon¹
¹University of Bamberg (DE)
- 127 **Are gaze differences between nature and urban images due to environment type or preference?**
Jay Davies¹, Ute Leonards¹, Jasmina Stevanov¹
¹University of Bristol (UK)
- 129 **Temporal recalibration for asynchronous onset and offset of audio-visual stimuli**
Yaru Wang¹, Makoto Ichikawa²
¹Chiba University (JP), ²Graduate School of Humanities, Chiba University (JP)
- 131 **Extraction of facial impression factors using eye-tracking and Grad-CAM**
Takanori Sano¹, Hideaki Kawabata¹
¹Keio University (JP)
- 133 **Towards a process model of temporal preparation**
Kielan Yarrow¹
¹City, University of London (UK)
- 135 **Do optical or cortical factors limit the recognition of incomplete letters?**
Zien Huang¹, Tessa Dekker¹, Sebastian Crutch¹, Keir Yong¹, John Greenwood¹
¹University College London (UK)
- 137 **The potential of vibration based self-motion cues in reducing visually induced motion-sickness in Virtual Reality**
Katharina Pöhlmann¹, Arabi Sarveswaran², Vanessa Gioumes², Behrang Keshavarz¹
¹KITE Research Institute - University Health Network (CA), ²Toronto Metropolitan University (CA)
- 139 **Unveiling the potential of acceleration signals for visual time-to-collision estimation**
Marlene Wessels¹, Christoph von Castell¹
¹Johannes Gutenberg-University Mainz (DE)
- 141 **Total masking by 4-dots – objective and phenomenological evidence from a spatial 2-AFC detection task**
Josephine Reuther¹, Uwe Mattler¹
¹Georg-August University Göttingen (DE)
- 143 **Somebody's watching me: Exploring the influence of gaze cueing and emotion on self-prioritisation**
Mairi Irvine¹, Marius Golubickis¹
¹University of Aberdeen (UK)
- 145 **Congenital Prosopagnosia: Face agnostic but not social-emotional agnostic**
Claus-Christian Carbon¹, Thomas Grüter¹, Martina Grüter¹
¹Universität Bamberg (DE)
- 147 **Spontaneous alternation behavior in Landolt C recognition**
Julia Haldina¹, Shalila T. Freitag¹, Saskia B. Kaczan², Sven P. Heinrich¹
¹Eye Center, Medical Center – University of Freiburg, Faculty of Medicine, University of Freiburg (DE),
²Faculty of Medical and Life Sciences, Furtwangen University, Villingen-Schwenningen (DE)
- 149 **Gaze behavior reveals mind-wandering: a virtual reality experiment**
Linda Henriksson¹, Akseli Pullinen¹, Jaana Simola²
¹Aalto University (FI), ²University of Helsinki (FI)



THURSDAY 29TH AUGUST

- 151 **‘Pathological’ Demand Avoidance through the lens of a sensory processing framework**
Matt Johnson¹, Alasdair Clarke², Rachel Swainson¹, Rama Chakravarthi¹
¹University of Aberdeen (UK), ²University of Essex (UK)
- 153 **EEG/ERP components underpinning the integration of prior expectations and sensory evidence in social motion perception**
Michail Ntikas¹, Eleonora Parrotta², Elsa Fouragnan³, Giorgio Gannis³, Patric Bach¹
¹University of Aberdeen (UK), ²Sapienza University of Rome (UK), ³University of Plymouth (UK)

Symposium 8

Peripheral vision: Behavioural, neural & functional perspectives

10.30–12.00 (Room 1A)

Information loss in peripheral vision: Crowding, grouping, and redundancy masking
Bilge Sayim¹

¹CNRS, University of Lille (FR)

Neural correlates of visual crowding in the primate brain

Anitha Pasupathy¹, Taekjun Kim¹

¹University of Washington (US)

Visual periphery is sufficient and necessary for continuous emotion recognition in naturally cluttered dynamic scenes

David Whitney¹, Jefferson Ortega¹

¹UC Berkeley (US)

Looking versus seeing in peripheral vision

Li Zhaoping^{1,2}

¹Max-Planck-Institute for Biological Cybernetics (DE), ²University of Tuebingen (DE)

Talk Session 12

Lightness, Brightness & Colour

10.30–12.00 (Room 1B)

- 10.30 **Radical, experience driven changes in assumed lighting direction are domain specific**
Andrew Schofield¹, Emil Skog², Timothy, S Meese¹, Isabel, M.J. Sargent²
¹Aston University (UK), ²Ordnance Survey (UK)
- 10.45 **Lightness illusions show puzzling effects under brief exposure times**
Sae Kaneko¹, Rei Yamamoto¹, Alan Gilchrist²
¹Hokkaido University (JP), ²Rutgers University Newark Campus (US)
- 11.00 **Perceptual appearance in context: measures and a model**
Joris Vincent¹, Guillermo Aguilar¹, Marianne Maertens¹
¹Technische Universität Berlin (DE)
- 11.15 **Dynamical neural model of lightness computation driven by fixational eye movements**
Michael Rudd¹
¹University of Nevada, Reno (US)



THURSDAY 29TH AUGUST

- 11.30 **Intermodulation of SSVEPs used to probe bipolarity of colour representations in the cortex**
Ana Rozman¹, Jenny Bosten¹
¹University of Sussex (UK)
- 11.45 **Memory colors of familiar objects induce general color preference**
Songyang Liao¹, Tatsuya Yoshizawa²
¹Guangzhou College of Technology and Business (CN), ²Kanagawa University (JP)

Symposium 9

Perception, cognition, and action in neuropsychological patients: Bridging science and practice

10.30–12.00 (Room 3)

Impaired body representations post-stroke: insights from drawing and lesion-symptom mapping

Stephanie Rossit¹, Hannah Clarke¹, Hannah Browning¹, Petar Stermsek¹, Andreas Michaelides¹, Arran Reader⁴, Fraser Smith¹, Allan Clark¹, Valerie Pomeroy¹, Wilma Bainbridge², Chris Baker³, Helen Morse¹

¹University of East Anglia (UK), ²University of Chicago (US), ³National Institute of Mental Health (US), ⁴University of Stirling (UK)

Revisiting the role of left and right hemispheres in action and semantic tool knowledge

Mathieu Lesourd¹, Julie Martin², Sébastien Hague², Margolise Levitre², Elisabeth Medeiros de Bustos², Guillaume Fargeix², Eloi Magnin², Thierry Moulin²

¹Umr Inserm 1322 Linc (FR), ²CHU Besançon (FR)

A dissociation between object material and material perception: a patient case study

Filipa Dourado Sotero¹, Daniela Valério¹, Filipa Miranda², Pedro Nascimento Alves², Isabel Pavão Martins², Jorge Almeida¹

¹Proaction Lab, Faculdade de Psicologia e de Ciências da Educação, Universidade de Coimbra (PT), ²Laboratório de Estudos de Linguagem, Faculty of Medicine, Universidade de Lisboa (PT)

Visual Search in Progressive Supranuclear Palsy and Parkinson's disease: from fundamental research to diagnostic tool

Alexis Cheviet¹, Alison Lane², Anthony Atkinson², Uma Nath³, Claire MacDonald⁵, Louise Wiblin⁴, Daniel T. Smith²

¹University of Durham (UK), ²Department of Psychology, Durham University (UK), ³Neurology, South Tyneside and Sunderland NHS Foundation Trust (UK), ⁴Neurology, South Tees Hospitals NHS Foundation Trust (UK), ⁵Gateshead Health NHS Foundation Trust (UK)

Using Augmented Reality to assess spatial neglect: the Free-Exploration-Test (FET)

Britta Stammer¹, Thomas Schuster, Marian Lambert, Kathrin Flammer, Hans-Otto Karnath

¹University of Tübingen (DE)



THURSDAY 29TH AUGUST

Symposium 10

From eye movements to action: Celebrating Eli Brenner's contributions to the field of Perception and Action
13.30–15.00 (Room 1A)

Temporal dynamics of foveal and peripheral processing during fixation

Cristina De La Malla Gomez¹, Martina Poletti²

¹Universitat De Barcelona (ES), ²Department of Brain and Cognitive Sciences, University of Rochester, Rochester, NY (US)

Eye movements and prediction: from following dots to understanding motion

Karl Gegenfurtner¹, Doris Braun¹, Alexander Göttker¹

¹Giessen University (DE)

Perception of position and motion: dependent but inconsistent

Jeroen Smeets¹

¹Department of Human Movement Sciences, VU (NL)

What are the implications of dissociating user and tool orientation on remote tool use?

Emily Crowe¹, Eloise Tivey¹, Simon Castle-Green¹, Praminda Caleb-Solly¹

¹University of Nottingham (UK)

Overconfidence about sensory precision in multisensory integration

Michael Landy¹, Fangfang Hong², Jiaming Xu³, Stephanie Badde⁴

¹New York University (US), ²University of Pennsylvania (US), ³University of Texas, Austin (US), ⁴Tufts University (US)

Talk Session 13

Serial Effects

13.30–15.00 (Room 1B)

- 13.30 **Neural tuning curves for spatial frequency in past and present stimulus representations**
Thérèse Collins¹
¹CNRS (FR)
- 13.45 **Individual differences reveal similarities in serial effects across perceptual tasks, but not to oculomotor tasks**
Alexander Goettker¹, Shuchen Guan¹
¹Justus Liebig University Giessen (DE)
- 14.00 **Attention works as a filter for prior perceptual decision in serial dependence**
Lena Schädlich¹, Alicia Weithase¹, Alexander Pastukhov¹, Claus-Christian Carbon¹
¹University of Bamberg (DE)
- 14.15 **The role of stable and unstable environments on serial dependence**
Sabrina Hansmann-Roth¹
¹University of Iceland (IS)
- 14.30 **The broad utility of asymptotic regression in accounting for time effects**
Amelia Hunt¹, Alasdair Clarke²
¹University of Aberdeen (UK), ²University of Essex (UK)



THURSDAY 29TH AUGUST

- 14.45 **The economy of neural responses to predictable sequences of stimuli: Resource-efficient encoding and sharpening**
Songyun Bai¹, Maëlan Menétrey², David Pascucci^{2,3}
¹Donders Institute for Brain, Cognition and Behaviour, Radboud University (NL), ²Brain Mind Institute, École Polytechnique Fédérale de Lausanne (EPFL) (CH), ³Lausanne University Hospital and University of Lausanne (CH)

Talk Session 14 Individual Differences 13.30–15.00 (Room 3)

- 13.30 **Individual Differences in Colour Naming**
Anya Hurlbert¹, Ilgın Cebioglu¹, Gabriele Jordan¹
¹Newcastle University (UK)
- 13.45 **Experts don't adapt! The flexibility of non-face animate object representations depends on expertise**
Antonia Reindl¹
¹Humboldt-Universität zu Berlin (DE)
- 14.00 **Do we really measure what we believe we are measuring?**
Michael Herzog¹, Dario Gordillo¹, Simona Garobbio¹
¹EPFL (CH)
- 14.15 **Exploration of individual differences in search strategy**
Anna Nowakowska^{1,2}, Alasdair D.F. Clarke³, Grace Whaley², Amelia R. Hunt¹
¹University of Aberdeen (UK), ²University of Leicester (UK), ³University of Essex (UK)
- 14.30 **Inter-individual variability in visual evoked potentials is not noise**
Melissa Faggella¹, Maya Roinishvili², Eka Chkonia³, Michael Herzog¹
¹Laboratory of Psychophysics, EPFL (CH), ²Institute of Cognitive Neurosciences, Free University of Tbilisi (GE), ³Department of Psychiatry, Tbilisi State Medical University (GE)
- 14.45 **Eye-Tracking Study on Attentional Allocation to Biological Motion in Children With/Without Autism Across Ages**
Michal Hochhauser¹, Kelsey J. Dommer², Adham Atyabi³, Beibin Li, Yejin A. Ahn, Madeline Aubertine, Minah Kim, Sarah G. Corrigan, Kevin A. Pelphrey, Frederick Shic²
¹Department of Occupational Therapy, Ariel University (IL), ²Seattle Children's Research Institute (US), University of Washington (US), ³University of Colorado (US)

Talk Session 15 Eye Movements 16.30–18.00 (Room 1A)

- 16.30 **Cortical Mechanisms for Trans-saccadic Feature Integration**
Doug Crawford¹, Bianca Baltaretu², George Tomou¹, Amirhossein Ghaderi¹
¹York University (CA), ²University of Giessen (DE)
- 16.45 **The Effect of Sound on Visual Stability Perception During Saccades**
Hui Mei (Doris) Chow¹, Jialiang Ma², Satoshi Shioiri², Chia-Huei Tseng²
¹St. Thomas University (US), ²Research Institute of Electrical Communication, Tohoku University (JP)



THURSDAY 29TH AUGUST

- 17.00 **Unlocking the Diagnostic Potential of Eye Movement Tasks**
Thom Wilcockson¹
¹Loughborough University (UK)
- 17.15 **Perisaccadic visual sensitivity during saccadic gain adaptation**
Nina Hanning¹, Lisa Kroell¹, Martin Rolfs¹, Heiner Deubel²
¹Humboldt-Universität zu Berlin (DE), ²Ludwig-Maximilians-Universität München (DE)
- 17.30 **Environmental regularities are predictive of saccade direction biases via combination of allocentric and egocentric mechanisms**
Stephanie Reeves¹, Jorge Otero-Millan¹
¹University of California Berkeley (US)
- 17.45 **Reward-based modulations of saccade kinematics shape the time course of presaccadic attention**
Lukasz Grzeczowski¹, Oliver Stein¹, Madeleine Gross², Martin Rolfs¹
¹Humboldt Universität zu Berlin (DE), ²University of California, Santa Barbara (US)

Talk Session 16

Memory in Perception

16.30–18.00 (Room 1B)

- 16.30 **Flexible allocation of visual selection and action planning during visual working memory**
Rose Nasrawi¹, Freek van Ede¹
¹Vrije Universiteit Amsterdam (NL)
- 16.45 **Recall requirements drastically modulate working memory representations in human visual cortex**
Giuliana Martinatti Giorjani¹, Rosanne L. Rademaker¹
¹Ernst Struengmann Institute (DE)
- 17.00 **Neural mechanisms of episodic memory formation revealed by EEG frequency tagging**
Çiçek Güney¹, Yasemin Gunindi¹, Efsane Algin¹, Andrey Nikolaev², Mikael Johansson², Nihan Alp¹
¹Sabancı University (TR), ²Lund University (SE)
- 17.15 **Memory for warning patterns: a specific link to neural excitation?**
Federico De Filippi¹, Olivier Penacchio², Akira R. O'Connor³, Julie M. Harris³
¹University of St Andrews (UK), ²Computer Science Department, Universitat Autònoma de Barcelona (ES), ³School of Psychology & Neuroscience, University of St Andrews (UK)
- 17.30 **Long-term memory flexibly supports visual working memory during natural behaviour**
Levi Kumle¹, Joel Kooor¹, Rhianna Watt¹, Sage Boettcher¹, Kia Nobre², Dejan Draschkow¹
¹University of Oxford (UK), ²Yale University (US)
- 17.45 **Shifting Reliance between the Internal and External World: A Meta-Analysis on Visual-Working Memory Use**
Tianying Qing¹, Leendert Van Maanen¹, Christoph Strauch¹, Stefan van der Stigchel¹
¹Utrecht University (NL)



THURSDAY 29TH AUGUST

Talk Session 17
Multisensory Processing
16.30–18.00 (Room 3)

- 16.30 **Tactile intensity modulates visuotactile time estimates in a non-optimal fashion**
Nedim Goktepe¹, Bora Celebi², Knut Drewing²
¹INM - Leibniz Institute for New Materials (DE), ²Justus-Liebig University Giessen (DE)
- 16.45 **The development of a validated video database to investigate multi-sensory processing in misophonia and misokinesia**
Paris Ash¹, Tim Griffiths¹, Quoc Vuong¹
¹Newcastle University (UK)
- 17.00 **Audiovisual temporal recalibration reflects both causal inference and differing auditory and visual temporal precision**
Michael Landy¹, Luhe Li¹, Fangfang Hong², Stephanie Badde³
¹New York University (US), ²University of Pennsylvania (US), ³Tufts University (US)
- 17.15 **Perception of temporal synchrony not a prerequisite for multisensory integration**
Erik van der Burg¹, Robert Jertberg¹, Hilde Geurts², Bhismadev Chakrabarti³, Sander Begeer¹
¹Vrije Universiteit Amsterdam (NL), ²University of Amsterdam (NL), ³University of Reading (UK)
- 17.30 **Age, Not Autism, Influences Multisensory Integration of Speech Stimuli among Adults**
Robert Jertberg¹, Sander Begeer¹, Hilde Geurts², Bhismadev Chakrabarti³, Erik Van der Burg¹
¹Vrije Universiteit (NL), ²University van Amsterdam (NL), ³University of Reading (UK)
- 17.45 **Multisensory degradation in speech perception reveals the processing of scalar implicatures**
Luigi F. Cuturi¹, Giorgia Bonaccorsi¹, Daniele Panizza¹
¹University of Messina (IT)