

41st European Conference on Visual Perception ECVP 2018

26–30 August 2018 | Trieste, Italy



DETAILED PROGRAMME

		SUNDAY 26th	MONDAY 27th	TUESDAY 28th	WEDNESDAY 29th	THURSDAY 30th
8:00	8:30		Registration	Registration	Registration	Registration
8:30	9:00		Talks & Symposia 1	Posters 1	Talks & Symposia 3	Talks & Symposia 8
9:00	9:30				Coffee break	Coffee break
9:30	10:00		Talks & Symposia 2	Posters 2		
10:00	10:30				Lunch	Posters 3
10:30	10:45		Break	Break		
10:45	11:00				Posters 4	Posters 4
11:00	11:30		Coffee break	Coffee break		
11:30	11:45				Opening	Rank Prize Lecture <i>Branka Spehar</i>
11:45	12:00		Troscianko Memorial Lecture	Perception Lecture <i>Dejan Todorovic</i>		
12:00	12:30				Welcome Social Event	About ECVP 2018
12:30	12:45		Conference Party	Gala Dinner		
12:45	13:00					
13:00	13:30					
13:30	14:00					
14:00	14:15					
14:15	14:30					
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19:30	20:00					
20:00	20:30					
20:30	23:00					
23:00	00:00					

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VENUES

	Sunday 26th	Monday 27th	Tuesday 28th	Wednesday 29th	Thursday 30th
Morning		Blue	Red	Blue	Blue
Lunch		Blue	Blue	Blue	Blue
Afternoon	Yellow	Yellow	Red	Blue	Blue
Evening	Yellow		Red	Green	

Yellow	Stazione Marittima
Blue	University
Red	Molo IV
Green	Savoia Excelsior Palace

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SUNDAY, August 26th 2018

		SUNDAY 26th	Venue
14:30	15:00	Registration	Stazione Marittima
15:00	15:30		
15:30	16:00		
16:00	16:30		
16:30	17:00		
17:00	17:30		
17:30	18:00	Opening	
18:00	18:30	Troscianko Memorial Lecture <i>Peter Thompson</i>	
18:30	19:00	Perception Lecture <i>Dejan Todorovic</i>	
19:00	19:30		
19:30	20:00	About ECVP 2018	
20:00	20:30	Welcome Social Event	
20:30	23:00		

SUNDAY, August 26th 2018

REGISTRATION – STAZIONE MARITTIMA 14.30-17.30

OPENING – STAZIONE MARITTIMA 17.30-18.00

TOM TROSCIANKO MEMORIAL LECTURE – STAZIONE MARITTIMA 18.00-18.30

Chair: Tiziano Agostini

Lecturer: *Peter Thompson*

PERCEPTION LECTURE – STAZIONE MARITTIMA 18.30-19.30

Chair: Peter Thompson

VISUAL ILLUSIONS AND CONTEXTUAL EFFECTS

Dejan Todorović

ABOUT ECVF 2018 – STAZIONE MARITTIMA 19.30-20.00

Information from the organizers

Tiziano Agostini

WELCOME SOCIAL EVENT – STAZIONE MARITTIMA 20.00-23.00

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MONDAY, August 27th 2018

		MONDAY 27th	Venue				
8:00	8:30	Registration	University campus	Sessions			
8:30	9:00			Attention I <i>Auditorium</i>	Mobile eye tracking – What can we learn from real world experiments? <i>Hall 1A</i>	The neural codes that support visual working memory representation <i>Hall 1B</i>	Strange blues: Melanopsin- mediated perception of space, colour and brightness <i>Hall 2B</i>
9:00	9:30	Talks & Symposia 1					
9:30	10:00						
10:00	10:30						
10:30	11:00	Coffee break					
11:00	11:30	Talks & Symposia 2		Attention II <i>Auditorium</i>	Role of articulation in perception of surface lightness <i>Hall 1A</i>	On pre-neural influences on vision: visual processing before light enters the neural pathway <i>Hall 1B</i>	Memory & Learning <i>Hall 2B</i>
11:30	12:00						
12:00	12:30						
12:30	13:00	Lunch					
13:00	13:30						
13:30	14:00						
14:00	14:30						
14:30	15:00						
15:00	15:30						
15:30	16:00						
16:00	16:30	Kanizsa Lecture <i>Walter Gerbino</i>	Stazione Marittima				
16:30	17:00	Coffee break					
17:00	17:30	Rank Prize Lecture <i>Branka Spehar</i>					
17:30	18:00						
18:00	18:30						

MONDAY, August 27th 2018

TALK SESSION – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

9.00-10.30

ATTENTION I

Chair: Maria Concetta Morrone

Visual crowding in densely cluttered displays depends on the identity and distance of the target's nearest neighbours

Erik van der Burg, John Cass, Kay Cordewener, Chris Olivers

Reacting to critical events during multiple object tracking

Emily Crowe, Chris Kent

Feature-specific resources for the colour and orientation of objects in visual short-term memory

Doug Barrett, Michael Pilling

The effect of spatial pre-cues is not only pre-attentive, it's largely monocular

Joshua Solomon, Michael Morgan

Attention and Self-relevance: Enhanced perception of self-relevant visual stimuli

Arash Sahraie, Aleksandar Visokomogilski, Marius Golubickis, C. Neil Macrae

Illusions of morality: Visual impressions of causality override overt judgment in moral decision making

Clara Colombatto, Brian Scholl

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

9.00-10.30

MOBILE EYE TRACKING – WHAT CAN WE LEARN FROM REAL WORLD EXPERIMENTS?

Organized by Szonya Durant, Tim Holmes, Johannes Zanker

From eyecups to teacups: The development of and insights from mobile eye trackers

Benjamin Tatler

Eye movements during face-to-face communication: A cross-cultural comparison

Jennifer Haensel

Mobile eye tracking in landscape architecture - Being an invisible companion

Christian Nollen, Dirk Junker

Eye movements and aesthetic experience: From the lab to the gallery, to VR

Johannes Zanker

THE NEURAL CODES THAT SUPPORT VISUAL WORKING MEMORY REPRESENTATION

Organized by Rosanne Rademaker

Simultaneous representation of mnemonic and sensory information in human visual cortex

Rosanne Rademaker, Chaipat Chunharas, John Serences

The role of neurons across visual processing stages in working memory

Diego Mendoza-Halliday, Santiago Torres, Robert Desimone, Julio Martinez-Trujillo

Coding of visuo-spatial working memory by neuronal ensembles in primate lateral prefrontal cortex

Julio Martinez-Trujillo, Matthew Leavitt

When working memory is stored in sensory areas and when it is not

Thomas Christophel

Synaptic and network mechanisms of serial biases in spatial working memory

Albert Compte, Joao Barbosa, Heike Stein, Diego Lozano-Soldevilla, Christos Constantinidis

STRANGE BLUES: MELANOPsin-MEDIATED PERCEPTION OF SPACE, COLOUR AND BRIGHTNESS

Organized by Manuel Spitschan

Integration of melanopsin signals into visual pathways

Pablo A. Barrionuevo, Dingcai Cao

Characterising melanopsin photoreception in humans: Why, how, and with which degree of precision and accuracy?

Manuel Spitschan

Melanopsin mediated photoreception in humans

Andrew J. Zele

Human visual performance based on cone and melanopsin photoreceptors

Sei-ichi Tsujimura

Does blue light wake you up or make you down? Visual and non-visual effects of varying light spectra

Anya Hurlbert, Gaurav Gupta, Yvonne Lai, Naomi Gross, Stacey Aston, Brad Pearce, Kirstie Anderson

Redesigning visual displays to understand melanopsin's contribution to vision

Annette Allen

ATTENTION II

Chair: Frans Verstraten

Spatial spread of visual attention measured using Steady-State Visually Evoked Fields (SSVEF)

Satoshi Shioiri, Takumi Miura, Kazumichi Matsumiya, Ichiro Kuriki, Kaoru Amano

Alpha oscillations do not reflect an active mechanism for suppressing visual distractor processing

Plamen Antonov, Ramakrishna Chakravarthi, Søren Andersen

Sequential cued shifts of feature-based attention and the effect of the prior attentional state

Søren K. Andersen, Leili Soo

How Top-down attention alters Bottom-up preconscious operations

Peter Tse, Peter Kohler, Eric Reavis, Liwei Sun, Kevin Hartstein, Gideon Caplovitz

Gaze and attention: Mechanisms underlying the therapeutic effect of smooth pursuit eye movement training in spatial neglect

Daniela Balslev, Alexandra Mitchell

Late enhancement of visual attention after multi-method brain stimulation

Grace Carolyn Alys Edwards, Federica Contò, Loryn Bucci, Lorella Battelli

ROLE OF ARTICULATION IN PERCEPTION OF SURFACE LIGHTNESS

Organized by Alan Gilchrist

Strong impact of articulation on lightness: Theoretical implications

Alan Gilchrist

Effects of articulation on lightness constancy

Sunčica Zdravković

Sampling surfaces to estimate scene illumination colour

David Foster

Changing lights on changing scenes: Dynamic articulation disturbs illumination estimation

Anya Hurlbert

Articulation and lightness illusions

Elias Economou

ON PRE-NEURAL INFLUENCES ON VISION: VISUAL PROCESSING BEFORE LIGHT ENTERS THE NEURAL PATHWAY

Organized by Katharina Rifai, Markus Lappe

Modelling early influences on visual perception

Felix Wichmann, Heiko H. Schütt

Visual consequences of fixational instability outside the fovea

Michele Rucci, Martina Poletti, Norick R. Bowers, Jonathan D. Victor, Janis Intoy

Modulation of stimulus processing in human primary visual cortex around the time of saccadic eye movements

Tamara Watson, Damien Mannion, Colin Clifford

Visuomotor representation of space during monocular viewing in primates

Frank Bremmer, Stefan Dowiasch, Adam Morris

Domain specificity of oculomotor learning after pre-neural changes in sensory processing

Miguel Eckstein, Yuliy Tsank

MEMORY & LEARNING

Chair: Guido Marco Cicchini

History effects on perception of noisy stimuli

Nikos Gekas, Pascal Mamassian

Serial dependencies occur at a sensory stage

Guido Marco Cicchini, Kyriaki Mikellidou, David Charles Burr

Posterior cingulate cortex and the recognition of highly abstract visual stimuli

Boris B. Velichkovsky, Stanislav A. Kozlovskiy, Anton Rogachev, Alisa Suyuncheva, Alexandra Galanina

Unconscious working memory outside the focus of attention

Marjan Persuh, Alexander Rue

Parallel visual and motor selection from working memory

Freek van Ede, Sammi Chekroud, Mark Stokes, Kia Nobre

Four-frame humor comic Manga activates TPJ, MPFC and cerebellum in the brain: An fMRI study based on working memory

Mariko Osaka, Ken Yaoi, Takehiro Minamoto, Miyuki Azuma, Mizuki Kaneda, Naoyuki Osaka

KANIZSA LECTURE – STAZIONE MARITTIMA

16.00-17.00

Chair: Carlo Fantoni

PERCEPTION AND PAST EXPERIENCE 50 YEARS AFTER KANIZSA'S (IM)POSSIBLE EXPERIMENT

Walter Gerbino

COFFEE BREAK – STAZIONE MARITTIMA

17.00-17.30

RANK PRIZE LECTURE - STAZIONE MARITTIMA

17.30-18.30

Chair: John Mollon

FRACTALS, VISION AND AESTHETICS

Branka Spehar

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TUESDAY, August 28th 2018

		TUESDAY 28th	Venue	Sessions		
8:00	8:30	Registration	Molo IV	3D Vision, Depth and Stereo; Adaptation; Aging; Applied Vision; Art; Attention; Biological Motion; Bistable Perception; Clinical; Colour; Crowding		
8:30	9:00	Posters 1				
9:00	9:30					
9:30	10:00					
10:00	10:30					
10:30	10:45	Coffee break				
10:45	11:00	Posters 2			Computational Models; Decision Making; Development; Eye Movements; Faces; Grouping; Learning; Magnitude, Time and Numerosity	
11:00	11:30					
11:30	11:45					
11:45	12:00					
12:00	12:30	Break	Lunch	University Campus		
12:30	12:45					
12:45	13:00	Posters 3	Illusions; Lightness & Brightness; Motion; Multisensory; Memory; Object Perception; Object Recognition; Peripheral Vision			
13:00	13:30					
13:30	14:00					
14:00	14:15					
14:15	14:30	Break				
14:30	15:00					
15:00	15:15	Posters 4	Molo IV	Perception & Action; Perceptual Organization; Research Methods; Scene Perception; Spatial Vision; Surface & Texture; Temporal Processing; Visual Search		
15:15	15:30					
15:30	16:00					
16:00	16:30					
16:30	17:00					
17:00	17:15					
17:15	17:30					
17:30	18:00					
18:00	18:30					
18:30	19:00					
19:00	19:30					
19:30	20:00				Illusion exhibition "Un mare di illusioni"	Molo IV
20:00	20:30					
20:30	23:00				Conference Party	
23:00	00:00					

TUESDAY, August 28th 2018

Tuesday 28th is entirely dedicated to poster presentations. There are four poster sessions: two in the morning (Session 1 and 2) and two in the afternoon (Session 3 and 4), with approximately 130 posters per session. Each poster has a code indicating the board number (from 1 to 266) and when it will be exposed (M = morning; A = afternoon).

Morning. The posters of Session 1 and Session 2 can be affixed starting from 8.00 and can stay on until 12.45. The posters with odd numbers will be presented in Session 1 (8.30-10.30); those with even numbers in Session 2 (10.45-12.45).

Afternoon. The posters of Session 3 and Session 4 can be affixed starting from 12.45 and can stay on until 17.15. The posters with odd numbers will be presented in Session 3 (13.00-15.00); those with even numbers in Session 4 (15.15-17.15).

We kindly ask each presenter to respect the time allotted for the presentation, in order to avoid overlapping with “board neighbours”.

POSTER SESSION 1 – MOLO IV

08.30-10.30

3D VISION, DEPTH AND STEREO

1M. On the possible relativity of spatial-frequency-tuned stereoscopic processes underlying disparity threshold functions: A study of individual differences

David H. Peterzell, Josee Ewane Enongue, Ignacio Serrano-Pedraza, Jenny C.A. Read

3M. The contribution of the Magnocellular and Parvocellular pathways to stereoacuity

Ignacio Serrano-Pedraza, Juan José Herrera-Morueco, Isabel Salmerón-Aguirre, Marcos Bella-Fernández

5M. How to ensure the expected luminance and contrast without monocular cues in Random Dot Stereograms and Correlograms?

János Radó, Zoltán Sári, Gábor Jandó, Péter Buzás

7M. Representing relations between 3D locations in immersive virtual reality

Ellis Luise Gootjes-Dreesbach, Peter Scarfe, Andrew Glennerster

9M. Identifying neural substrates underlying the qualitative impression of monocular stereopsis: An EEG study

Makoto Uji, Ines Jentzsch, James Redburn, Dhanraj Vishwanath

11M. Digital or analogue? First assessment of a newly developed digital stereotest in adults and children with and without amblyopia

Juliane Tittes, Alexander Baldwin, Peggy Feige, Licia Cirina, Yaroslava Wenner, Claudia Kuhli-Hattenbach, Hanns Ackermann, Robert Hess, Thomas Kohlen, Maria Fronius

13M. Eye-height affects the perceived layout of interior space

Christoph Freiherr von Castell, Heiko Hecht, Daniel Oberfeld

15M. Can familiarity be a cue for perceiving depth?

Tadamasa Sawada, Elizaveta Mischenko, Ippei Negishi, Elena S. Gorbunova

17M. Short-term plasticity of 7T BOLD ocular dominance in adult human primary visual cortex

Jan W. Kurzawski, Paola Binda, Claudia Lunghi, Laura Biagi, Michela Tosetti, Maria Concetta Morrone

19M. Investigating biases in 3D perception and the effects of signal noise on depth discrimination

Jovan Kemp, Evan Cesanek, Fulvio Domini

21M. Shape from random gradient and contour combinations

Maarten Wijntjes, Robert Volcic

ADAPTATION

23M. Changes in eye movement strategies during a discrimination task in the presence of an artificial central scotoma

Paul Léné, Romain Fournet, Anne-Sophie Laurin, Frédéric Gosselin, Aarlenne Khan

25M. Visual adaptation and body parts: Transfer of adiposity aftereffects between bodies and hands

Klaudia Ambroziak, Elena Azañón, Marina Araujo, Matthew Longo

27M. Influence of spectral power distribution and photometry on contrast gain in mesopic illumination conditions

Eduardo G. Vicente, Beatriz M. Matesanz, Isabel Arranz, Miguel Rodríguez, Santiago Mar, Juan A. Aparicio, Pablo A. Barrionuevo

29M. Visual acuity monitoring in conditions of psychosocial isolation in a mock-up spacecraft

Svetlana Dmitrieva, Olga Manko, Alexander Smoleevskiy, Nadezhda Vasilyeva, Maria Gracheva

31M. Topographic numerosity maps dynamically adjust to the presented numerosity range

Yuxuan Cai, Jelle van Dijk, Wietske Zuiderbaan, Wietske van der Zwaag, Ben Harvey, Serge Dumoulin

33M. Face adaptation aftereffects on local information

Ronja Mueller, Sandra Utz, Claus-Christian Carbon, Tilo Strobach

35M. Co-circularity opponency in texture perception

Hiroshi Sato, Frederick Kingdom, Isamu Motoyoshi

37M. Color appearance during color adaptation after changing the lighting color

Shino Okuda, Katsunori Okajima

AGING

39M. Collinear facilitation: Effects of older age and temporal asynchrony

Yu Man (Janet) Chan, Cassandra J Brooks, Allison M McKendrick

41M. What drives age effects on the speed accuracy trade-off during reaching?

Jutta Billino, Elena Hitzel, Constanze Hesse

43M. What contributes to age effects on tactile suppression during reaching?

Lena Klever, Dimitris Voudouris, Katja Fiehler, Jutta Billino

45M. Cognitive and anticipated properties of the moving object with age

Masaru Takeichi, Takeyuki Arai, Kinya Fujita

APPLIED VISION

47M. Analysis of indices of lie: Congruency between non-verbal and verbal behavior

Jessica Vascotto, Tiziano Agostini, Jasna Legiša

49M. Does hangover affect visual attention and working memory?

Serena Mingolo, Mauro Murgia, Valter Prpic, Tiziano Agostini, Eleonora Bilotta

51M. Different sound pitch effects on motor performance of individuals in head-mounted Virtual Reality

Anil Ufuk Batmaz, Michel de Mathelin, Birgitta Dresch-Langley

53M. Investigating effects of color temperature on conflict handling behavior

Steffen Ronft, Tandra Ghose

55M. Detecting uncertainty while assembling a camping tent

Brian Sullivan, Hazel Doughty, Walterio Mayol-Cuevas, Dima Damen, Casimir Ludwig, Iain Gilchrist

57M. Perceptual and cognitive load in graph reading

Isabella Fuchs-Leitner, Lisa Falschlunger, Heimo Losbichler

59M. A dynamic approach of searching behaviour in webpages

Alexandre Milisavljevic, Thomas Le Bras, Matei Mancas, Coralie Petermann, Bernard Gosselin, Karine Doré-Mazars

61M. Does body dissatisfaction influence our ability to accurately identify distorted body images?

Nicole Thomas, Alessia Mattia, Elizabeth Matthews, Ellie Aniulis

63M. The effect of screen orientation on depth perception and a comparison between Virtual Reality systems

Cyril Vienne, Vincent Honnet, Stéphane Masfrand, Christophe Bourdin, Jean-Louis Vercher

65M. CAPTCHA using combined stereo vision and amodal completion

Toshiaki Yamanouchi, Kazuhisa Yanaka

67M. Experimental approach to motorcyclist detection by a car driver

Vincent Boucher, Fabrice Fournela, Romain Dronneau, Nicolas Basily, Mylène Besnier

ART

69M. What happens when you perceive a sun eclipse?

Claus-Christian Carbon

71M. Exploring artwork in situ: Empirical aesthetics making use of mobile eye tracking

Doga Gulhan, Johannes Zanker

73M. Historic Faces: An investigation of head and eye direction in art portraits across 1000 years of Western history

Tobias Matthias Schneider, Claus-Christian Carbon, Alexander (Sasha) Pastukhov

75M. Individual differences in aesthetic evaluations of visual arts (2): Does aesthetic dimension of value relate to the aesthetic evaluations of BAD arts?

Tatsuya Miyashita, Kiyoe Cho, Atsushi Kimura, Takashi Oka

77M. Subverting the naïve (mis)perception of animal intelligence: From the scala naturae to the Darwinian tree via a simple survey

Cinzia Chiandetti, Andrea Dissegna, Ryuta Nakajima, Graziano Fiorito

79M. Effects of context on aesthetic appraisal of curviness

Jelena Blanuša, Slobodan Marković

81M. Is the unattractiveness of human body an inversion of its attractiveness?

Slobodan Marković, Tara Bulut, Ljiljana Lazarevic

263M. Consistency in preference for fractal-scaling properties across synthetic noise images and artworks

Catherine Viengkham, Branka Spehar

ATTENTION

83M. The reference frame for Inhibition of return is the full hemifield

Tatiana Malevich, Elena Rybina, Elizaveta Ivtushok, Liubov Ardasheva, W. Joseph MacInnes

85M. Mechanisms underlying the (re)alignment of covert and overt visual attention

Inga Korolczuk, George Houghton, Charles Leek

87M. Perceptual Set Within the "Attentional Blink"

Ivan Makarov, Elena Gorbunova

89M. Evidence for the existence of three regimes of number perception

Antonella Pomè, Giovanni Anobile, Aurora Scabia, Guido Marco Cicchini, David Charles Burr

91M. Quantifying the contribution of covert and overt spatial attention to perceptual decision-making

Samantha Parker, Andrew Heathcote, Matthew Finkbeiner

93M. Awe broadens attention

Muge Erol, Arien Mack

95M. Investigating neurophysiological correlates of joint action

Hossein Abbasi, Dominik Dötsch, Anna Schubö

97M. Letter spacing modulates lateralization of EEG alpha oscillations during natural reading

Béla Weiss, Ádám Nárai, Zoltán Vidnyánszky

99M. The effect of attention on the perceptual grouping

Chiahuei Tseng, Chien-Chung Chen, Satoshi Shioiri

101M. We cannot ignore a smile! - EEG correlates of the interaction between ambiguity and attention

Lukas Hecker, Joos Ellen, Giersch Anne, Tebartz van Elst Ludger, Kornmeier Jürgen

103M. Subjective time expansion with increased stimulation of intrinsically photosensitive retinal ganglion cells

Pei-Ling Yang, Sei-ichi Tsujimura, Akiko Matsumoto, Wakayo Yamashita, Su-Ling Yeh

105M. Do the eye-movement system and the arm-movement system contribute independently to attentional orienting: A TMS study

Soazig Casteau, Jacob Hathaway, Amanda Ellison, Daniel T. Smith

107M. Disassociation between Reaction Time and Pupil Dilation in the Stroop Task

Ronen Hershman, Avishai Henik

109M. Attentive tracking of moving objects whose depth in 3D gradually change

Anis Ur Rehman, Yuji Nosaki, Ken Kihara, Sakuichi Ohtsuka

111M. The Simon effect is modulated by effector-stimulus proximity and not by hand-stimulus proximity

Gioacchino Garofalo, Leonardo Longo, Lucia Riggio

113M. Conflict in the pupil: Luminance and cognitive based modulation

Suzon Ajasse, Jean Lorenceau

115M. Attention distractibility trait associations with self-reported attention deficit and with variation in KTN1 gene

Iris Tuvi, Jaanus Harro, Evelyn Kiive, Talis Bachmann

117M. Metacognition of precision and latency during spatial orienting of attention

Samuel Recht, Vincent de Gardelle, Pascal Mamassian

119M. Bilateral field presentation modulates subitizing

Chiara Tagliabue, Veronica Mazza

121M. Context-specific habituation of attentional capture

Francesca Bonetti, Massimo Turatto

123M. When modality matters: Inhibition of return in and after a visual search

Margit Höfler, Katrin Liebergesell, Iain D. Gilchrist, Christof Körner

125M. A functional magnetic resonance imaging study of bodily efference signal in searching self-controlled moving object

Qiaobo Qu, Kazuma Horita, Takako Yoshida

127M. Selective Impact of tRNS on Resting State Functional Connectivity after visual-attention training

Federica Contò, Grace Edwards, Lorella Battelli

129M. To the edge of gaze and beyond: Visual attention is not limited by the oculomotor range

Nina M. Hanning, Martin Szinte, Heiner Deubel

131M. Persistent attentional salience of reward cues despite reward devaluation and incentive learning

Matteo De Tommaso, Massimo Turatto

133M. Working memory capacity as a predictor of contralateral delay activity and strategy use in multiple object tracking: An ERP Analysis

Gurmukh Panesar, Anne Richards

135M. Feature-based attention modulates fMRI BOLD response in areas MT and V4

Robert Hess, Benjamin Thompson, Alex Baldwin, Simon Clavagnier

137M. Thin and plus-size models differentially modulate attentional asymmetries

Ellie Aniulis, Nicole Thomas

139M. Spatial attention with Rescorla's 'truly random control'

Alexey Asvarishch, Joseph MacInnes

141M. The visual saliency of emotional objects

Michał Kuniecki, Kinga Woloszyn, Krzysztof Waniak, Joanna Pilarczyk

143M. Modulation of top-down attention in the human face-processing network: An MEG study

Daniel Baldauf, Eelke de Vries

145M. Attentional rhythms across space

Peijun Yuan, Yi Jiang, Ying Wang

147M. Does depth of field attract attention?

Christina Soderberg, Szonya Durant

149M. Increased target-distractor similarity reduces efficient attentional selection in early visual processing pathways

Frederik Geweke, Viola S. Störmer

151M. Does covert attentional tracking operate over physical or perceptual coordinates?

Marvin Maechler, Patrick Cavanagh, Peter Tse

153M. A novel color singleton on a surprise trial captures attention late, even under ideal conditions

Gernot Horstmann, Ernst Daniel

BIOLOGICAL MOTION

155M. Interactions between processing optic flow and biological motion: Evidence from dual tasks

Katja Mayer, Hugh Riddell, Markus Lappe

157M. Gender recognition in point-light walkers displays: How do experts compensate insufficient kinematic cues?

Jessica Galliussi, Susanna Mezzarobba, Michele Grassi, Paolo Bernardis

159M. Perception of Biological motion. No sensitivity differences in patients with Parkinson's Disease (PD)

Susanna Mezzarobba, Michele Grassi, Jessica Galliussi, Luigi Murena, Paolo Bernardis

161M. Incidental processing of biological motion: Effects of orientation, local-motion and global-form features

Vipul Nair, Karl Drejing, Paul Hemeren

163M. Influence of crowd behaviour on estimates of biological motion speed

Ian M. Thornton, Quoc C. Vuong, George Mather

165M. The walker congruency effect and incidental processing of configural and local features in point-light walkers

Paul Hemeren, Elizabeth Hanley, Peter Veto

167M. Adaptation to social attention: Perception of social and nonsocial cues differentially influences attentional effect of biological motion walking direction

Haoyue Ji, Yi Jiang, Li Wang

BISTABLE PERCEPTION

169M. Age-dependency in visual perceptual decisions is caused by a variation in adaptation and noise, but not in inhibition strength

Richard van Wezel, Raymond van Ee, Elahe Arani

171M. Location-specific priming of perceptual reversals for kinetic-depth effect

Alexander Pastukhov, Christina Rita Zaus, Claus-Christian Carbon

173M. Individual variation in inter-ocular suppression

Mengxin Wang, Paul McGraw, Timothy Ledgeway

175M. BR-OKN responses reveal fine-tuning of the developing visual system during adolescence

Gergő Ziman, Stepan Aleshin, Péter Soltész, Jochen Braun, Ilona Kovács

177M. How much evidence do we need for a smile? - ERP correlates of emotional ambiguity
Ellen Joos, Anne Giersch, Ulrich Schaller, Reinhold Rauh, Volker Helzle, Ludger Tebartz van Elst, Juergen Kornmeier

179M. Breaking down the break in Continuous Flash Suppression
Florian Kobylka, Malte Persike, Günter Meinhardt

181M. The variety of perceptual transitions during binocular rivalry
Alexandra Sipatchin, Natalia Zaretskaya, Andreas Bartels

183M. Task dependence of reversal-related ERP components in perception of the Necker lattice
Diane Abdallah, Joseph L. Brooks

185M. The link between blinks, microsaccades and the percept of bistable motion
Mareike Brych, Supriya Murali, Liyu Cao, Barbara Haendel

CLINICAL

187M. The relation between the degree of synaesthesia, autistic traits and local/global visual perception
Floor Burghoorn, Rob Van Lier, Tessa M. Van Leeuwen

189M. Holistic word processing in dyslexia
Nuala Brady, Sarah Cooney, Kate Darmody, Michael Horgan, Fiona Newell

191M. Metacognition mediates relationship between temperamental traits and hallucination proneness in general population
Remigiusz Szczepanowski, Ewelina Cichoń

193M. Visual acuity and contrast sensitivity depending on keratoconus apex's position
Sanita Liduma, Gunta Krumina

195M. Evaluating the ergonomics of a Virtual-Reality software for the diagnosis and treatment of amblyopia
Johann Schneider, Juliane Tittes, Maria Fronius, Peggy Feige, Yaroslava Wenner, Robert F. Hess, Jochen Triesch

197M. Probing visual field integrity using an anatomical measure of the stria of Gennari at ultra-high field MRI
Carlien Roelofzen, Alessio Fracasso, Douwe Bergsma, Giorgio Porro, Mies van Genderen, Serge Dumoulin, Natalia Petridou

199M. Bilateral Visual field maps in a patient with left eye microphthalmia and massive congenital brain damage involving the left geniculostriate pathway: A Case study
Akshatha Bhat, Jan W. Kurzawski, Giovanni Anobile, Francesca Tinelli, Laura Biagi, Maria Concetta Morrone

201M. A new optogenetic strategy: Recovering from blindness with simulated transfected vision in ecological conditions

Mylene Poujade, Ryad Benosman

203M. Study of cerebral visual perception impairment before and after surgery in strabismus

Yongchuan Liao, Li Yan

205M. Long-term improvement of spatial attention in chronic stroke patients: A TMS study

Sara Agosta, Denise Magnago, Emanuela Galante, Francesco Ferraro, Francesca Girelli, Nunzia Mazzini, Emily Grossmann, Lorella Battelli

207M. The desynchronization of the interaction Magnocellular and Parvocellular visual pathways is the biomarker of stress

Irina Shoshina, Ekaterina Zavyalova, Roman Sergienko, Andrey Gruzdev, Ekaterina Potapova, Tatiana Skutina, Elena Fedorenko, Valeria Karpinskaia

209M. Visual social reasoning in females with mastocarcinoma is impaired by negative gender-related messages

Alexander N. Sokolov, Marina A. Pavlova, Diethelm Wallwiener, Sara Y. Brucker, Elisabeth Simoes

211M. Foveal motion thresholds and response variability in glaucoma

Lorenzo Scanferla, Catarina A.R. João, Nomdo M. Jansonius

213M. Comparison of white/gray flicker matrices for P300 brain-computer interface

Cristian Postelnicu, Daniel Voinea, Florin Girbacia

COLOUR

215M. Investigating the effects of 'colour-correcting' glasses on chromatic discrimination

Cat Pattie, Thomas Le Couteur-Bisson, Gabriele Jordan

217M. Basic color terminology expansion - evidence from Serbian

Ivana Jakovljević, Sunčica Zdravković

219M. Discrimination boundaries for skin stimuli

Tushar Chauhan, Sophie Wuerger

221M. ERP responses to the perception of glossiness of the basic colors

Tatsuya Yoshizawa, Haruyuki Kojima, Tomohisa Matsumoto, Masayuki Sato, Keiji Uchikawa

223M. Stronger colour induction in migraine

Xavier Otazu, Nilai Sallent, Xim Cerda-Company, Olivier Penacchio

225M. The effect of object shapes on color categories judgement

Hyejin Han

227M. Italian "blue" categories: Colour space mapping manifests the diatopic name variation

Galina Paramei, Mauro D'Orsi, Gloria Menegaz

229M. An experimental-phenomenological research on the mode of appearance of color seen through the superposed two punching plates

Atsushi Sakai

231M. Assessing the effectiveness of notch filters for enhancing anomalous colour vision

Lucy Somers, Anna Franklin, Jenny Bosten

233M. Colour-evoked ERPs reflect chromatic and luminance content of the stimulus rather than its hue category

Jasna Martinovic, Sophie Wuergler, Tushar Chauhan, Lindsay Thompson

235M. Luminance and chromatic contrast sensitivity at high light levels

Maria Perez-Ortiz, Jasna Martinovic, Rafal Mantiuk, Sophie Wuergler

237M. The program simulating dichromacy as a possible tool for detecting colour deficiencies

Paul Maximov

239M. Tablet-based app for screening for colour vision deficiencies (CVD) in young children

Leticia Álvaro, James Alvarez, Brenda Meyer, Teresa Tang, John Maule, Anna Franklin, Jenny Bosten

241M. Effects of reflecting and sub-surface scattering lights on facial skin appearance

Katsunori Okajima, Yuna Nakanishi

243M. The interaction of color and image content in regulating pupil size

Joanna Pilarczyk, Kinga Woloszyn, Michał Kuniecki

245M. Identifying surface colours across different environmental illuminations

Takuma Morimoto, Hannah Smithson

247M. The effect of fatigue on pupil light responses

Sergejs Fomins, Alisa Dorofejeva, Gunta Krūmina, Renars Trukša

CROWDING

249M. Visual references reverse diminishment in crowding

F. Zeynep Yildirim, Daniel R. Coates, Bilge Sayim

251M. Development of contour interaction and crowding with age

Sarah Lalor, Monika Formankiewicz, Sarah Waugh

253M. Perceptual learning and visual crowding: Results of multivariate pattern analysis of functional MRI

Maja Traurig, Tina Plank, Maka Malania, Mark W. Greenlee

255M. Using visual crowding as a tool to study feature binding

Niloufar Razmi

257M. Radial-tangential anisotropy of visual crowding can be modulated by training

Maka Malania, Tina Plank, Mark Greenlee

259M. Target-flanker dissimilarity alleviates clutter induced cortical interference of targets in crowded scenes

Leili Soo, Ramakrishna Chakravarthi, Søren K. Andersen

261M. The critical spacing of crowding with diffuse attention

Daniel Coates, Bilge Sayim

COFFEE BREAK – MOLO IV

10.30-10.45

POSTER SESSION 2 – MOLO IV

10.45-12.45

COMPUTATIONAL MODELS

2M. Neural model of the visual recognition of social intent

Mohammad Hovaidi-Ardestani, Nitin Saini, Martin Giese

4M. Capsule networks, but not convolutional networks, explain global configurational visual effects

Adrien Doerig, Alban Bornet, Michael Herzog

6M. Deep neural networks trained on ecologically relevant categories better explain human IT

Johannes Mehrer, Nikolaus Kriegeskorte, Tim Kietzmann

8M. A retina inspired model for image enhancement in extreme environments

Xian-Shi Zhang, Yong-Bo Yu, Kai-Fu Yang, Yong-Jie Li

10M. A computational perception organization model based on tolerance space theory

Peng Peng, Yongjie Li

12M. Surround suppression explained by long-range recruitment of local competition, in a columnar V1 model

Hongzhi You, Giacomo Indiveri, Dylan R. Muir

14M. A computational model of the development and treatment of anisometropic amblyopia

Samuel Eckmann, Lukas Klimmasch, Bertram E. Shi, Jochen Triesch

16M. Vision-inspired automatic detection of water level changes in satellite images: The example of Lake Mead

Birgitta Dresch-Langley, John Mwangi Wandeto, Henry Okola Nyongesa

18M. A retina inspired color constancy model for scenes with varying illumination

Yongjie Li, Yanze Ren, Shaobing Gao, Chaoyi Li

20M. Different use of visual information by humans and Deep Neural Networks

Andrea De Cesare, Giampaolo Cristadoro, Shari Cavicchi, Marco Lippi

22M. Test of Goodness of population receptive field estimates with computer simulations

Arash Ashrafnejad, Hossein Mehrzadfar, Huseyin Boyaci

24M. A mixture of Kalman filters to predict where to catch a flying ball

Marta Russo, Benedetta Cesqui, Antonella Maselli, Francesco Lacquaniti, Andrea d'Avella

26M. Multimodal neuroimaging of interocular contrast responses in human amblyopia

Freya Lygo, Bruno Richard, Daniel Baker

28M. Contrast invariance in Deep Neural Networks (DNN)

Arash Akbarinia, Karl R. Gegenfurtner

30M. Temporal distribution of saccades with deep learning salience maps

Sofia Krasovskaya, Georgii Zhulikov, Liya Merzon, Joseph MacInnes

32M. The neural codes underlying the distortion of relative-frequency

Xiangjuan Ren, Huan Luo, Hang Zhang

34M. Deep Convolutional Neural Networks discriminate between different types of material kinematics

Hossein Mehrzadfar, Alexandra C. Schmid, Arash Ashrafnejad, Huseyin Boyaci, Katja Doerschner

36M. Capturing attentional capture with salience models

Joe MacInnes, Lena Gorina, Alex Asvarisch, Anastasia Comardin, Tanya Malevich

38M. Eye movements as predictors of visual detection

Paola Suárez, Martin Rolfs, Alex L. White

40M. What are the sparse components of 2D shapes?

Michaël Clément, James H. Elder

DECISION MAKING

42M. Low-level image statistics in natural scenes influence perceptual decision-making

Noor Seijdel, Sara Jahfari, Iris I.A. Groen, H. Steven Scholte

44M. Investigation of video-conference communication in an evaluation interview

Susumu Shibui

46M. The effect of perceptual semantic blindness in making cognitive decisions

Sergei Artemenkov

48M. Confidence as a priority signal in perceptual decision-making

David Aguilar-Lleyda, Maxime Lemarchand, Vincent De Gardelle

50M. Dynamics of prior expectation on human perceptual decision-making

Nuttida Rungratsameetaweeman, Sirawaj Itthipuripat, John T. Serences

52M. Behavioral and neural effects of feedback manipulation on perceptual inference

Rekha Varrier, Heiner Stuke, Matthias Guggenmos, Philipp Sterzer

54M. Detection of evidence reliability changes in random-dot motion

Emmanouil D. Protonotarios, Lingyu Gan, Michael S. Landy

56M. How dynamic visual cues help to expose a liar: Laban/Bartenieff Movement Studies in the field of police interviewing

Sandra Adiarte

DEVELOPMENT

58M. Development of allocentric spatial representation in visually impaired children

Chiara Martolini, Giulia Cappagli, Sabrina Signorini, Antonella Luparia, Eleonora Perrotto, Monica Gori

60M. The time-based expectancy in children and young adolescents

Marina Kunchulia, Khatuna Parkosadze, Roland Thomaschke

62M. Phantom stereopsis in 5- and 7-month-old infants

Michael Kavšek

64M. Comparison of a tablet based and chart projector visual acuity tests

Eszter Mikó -Baráth, Anna Budai, David Pinero, Janka Juszt, Vanda Nemes, András Czigler, Gábor Jandó

66M. Chromatic preference of art paintings by 6-12-year-old children

Tomoko Imura, Taisei Kondo, Nobu Shirai, Shigeki Nakauchi

68M. Perceptual development from "pre-constancy" to "constancy" in infants

So Kanazawa, Masami Yamaguchi K.

70M. The role of horizontal, vertical and sagittal axes on visuo-spatial number mapping in children

Sarah Cooney, Corinne Holmes, Fiona Newell

72M. Studying the development of visual attention with foraging tasks

Inga María Ólafsdóttir, Steinunn Gestsdóttir, Tómas Kristjánsson, Ómar I. Jóhannesson, Árni Kristjánsson

74M. Functional and structural plasticity in hydrocephaly

Michael Crognale, Shuiting Cheng, Zhiheng Zhou, Lars Strother

76M. Reaching to the body in blind children

Giulia Cappagli, Monica Gori, L.K. Chinn, J.J. Lockman, M. Hoffmann, E. Cocchi, S. Signorini

78M. Development of contrast sensitivity in children: Using a novel child-friendly method

Mahtab Farahbakhsh, Pete R. Jones, Tessa Dekker

80M. Emotion specificity of the inversion effect in younger and older adults

David Kurbel, Bozana Meinhardt-Injac, Malte Persike, Günter Meinhardt

82M. Dark-reared rats develop higher visual acuity than controls in an orientation discrimination task

Natalia Grion, Ilaria Montano, Giulio Mateucci, Davide Zoccolan

EYE MOVEMENTS

84M. Eye tracker calibration in individuals with highly unstable gaze due to involuntary nystagmus

Paul Zerr, Ramesh Kekunnaya, Idris Shareef, Kabilan Pitchaimuthu, Stefan Van der Stigchel, Brigitte Röder, José Ossandon

86M. Investigating the role of prediction in trans-saccadic perception: Peripheral preview reduces the fixation-locked N170

Christoph Huber-Huber, Antimo Buonocore, Clayton Hickey, David Melcher

88M. Does retinal image motion arising from smooth pursuit eye movements systematically influence temporal perceptual grouping?

Adela S.Y. Park, Phillip A. Bedgood, Andrew B. Metha, Andrew J. Anderson

90M. Gaze position changes across blinks carry over to saccade landing errors

Wee Kiat Lau, Thérèse Collins, Gerrit Maus

92M. Memory-guided microsaccades

Konstantin F. Willeke, Xiaoguang Tian, Antimo Buonocore, Joachim Bellet, Araceli Ramirez-Cardenas, Ziad M. Hafed

94M. Assessing the dynamic visual processing of informative local features with eye movements

Anna Montagnini, A.P. Benini, Maria Michela Del Viva

96M. The self can hold attention: Evidence from saccadic eye movements

Mario Dalmaso, Luigi Castelli, Giovanni Galfano

98M. Influence of eye dominance on oculomotor and attentional selection

Jérôme Tagu, Karine Doré-Mazars, Dorine Vergilino-Perez

100M. Filling-in and perceptual reliability in the scotopic foveal scotoma

Alejandro Gloriani, Alexander Schütz

102M. Age effects on visual sensitivity for luminance and chromatic stimuli during the execution of saccadic eye movements

Doris Braun, Alexander C. Schütz, Karl R. Gegenfurtner

104M. Spatial modulations of the visual first-order feature as the targets for attention

Denis Yavna, Vitaly Babenko

106M. Up and down, left and right: Asymmetries in eye movements during facial encoding

Fatima M. Felisberti, Sabira Mannan, Liam Currie, Christopher Ballard, Thomas Ghiesing

108M. Unconscious information processing affects the fixational eye movements and pupil diameter

Kengo Tane, Bruno Laeng

110M. Parallel and extra-foveal processing of object semantics during visual search

Francesco Cimminella, Sergio Della Sala, Moreno Ignazio Coco

112M. The effects of interletter spacing on eye movements during natural reading in dyslexic and control adults

David Farkas, Zoltán Vidnyánszky, Béla Weiss

114M. Eye-movement correlates of fixation-related EEG activity in natural reading

Ádám Náraj, Zoltán Vidnyánszky, Béla Weiss

116M. Predicting fixation densities over time from early visual processing

Heiko Schütt, Lars O.M. Rothkegel, Hans A. Trukenbrod, Ralf Engbert, Felix A. Wichmann

118M. Fixational eye movements in uncorrected vision

Katharina Rifaj, Denitsa Dragneva, Siegfried Wahl

120M. Neural correlates of refixation in natural viewing behavior

Andrey Nikolaev, Radha Nila Meghanathan, Cees van Leeuwen

122M. Cognitive effects of inclusive interfaces in written tests

Mark Pileggi, John C. Herbert, Anis Ur Rehman

124M. Amplitude of saccades is modulated by the nature of visual stimuli and saccade accuracy in saccadic choice tasks

Louise Kauffmann, Lea Entzmann, Carole Peyrin, Alan Chauvin, Nathalie Guyader

126M. Presaccadic spatiotopic updating across visually-guided saccades investigated with time-resolved MEG classification

Jasper Fabius, Alessio Fracasso, David Acunzo, Davide Deflorio, Stefan Van der Stigchel, David Melcher

128M. Near-Far pupil response elicited by illusory depth: Evidence for Top-Down pupil control

Michael Wagner, Ronen Hershman, Avishai Henik

130M. Automated analysis of BR-OKN facilitates large cohort studies

Stepan Aleshin, Gergő Ziman, Ilona Kovács, Jochen Braun

132M. Prisoner's Dilemma: What will you choose - Betrayal or Cooperation? An eye-tracking study

Mariia Oshchepkova

134M. Pupillary changes reflect visual spatial attention modulated by emotional sounds

Satoshi Nakakoga, Hiroki Kajita, Hiroshi Higashi, Shigeki Nakauchi, Tetsuto Minami

136M. The effect of verbalization on the eye-movements during repeated viewing of the paintings

Veronika Prokopenya

138M. Different fixation patterns in dynamic scenes for lightness and stiffness judgements

Lorilei Alley, Matteo Toscani, Katja Doerschner

140M. Eye movement in the process of searching for information on websites: The influence of task complexity and webpage design

Tatiana Zlokazova, Irina Blinnikova, Ivan Burmistrov, Sergey Grigorovich

142M. Saccadic adaptation can be volitionally controlled

Frauke Heins, Annegret Meermeier, Markus Lappe

144M. Native language experience as a determinant of semantic search strategies: Eye-movement analysis

Maria Rabeson, Sofya Kirsanova, Irina Blinnikova

146M. Common control mechanisms underlying ocular tracking and interception of partially occluded ballistic trajectories under different visual contexts

Sergio Delle Monache, Riccardo Ingrosso, Gianfranco Bosco

148M. Mobile eye tracking in the Royal Academy of Arts - Analysing scanpath sequences in Jackson Pollock's paintings

Jasmina Stevanov, Johannes Zanker, Tim Holmes

150M. Covert and overt orienting to social and non-social cues in early deaf adults

Claudia Bonmassar, Francesco Pavani, Cristina Caselli, Alessio Di Renzo, Luca Lamano, Tommaso Luciola, Wieske van Zoest

152M. Longer viewed, better remembered: Objects' semantic inconsistency and information accumulation in real environments

Sara Spotorno, Ioana Dragusin, Benjamin Tatler

154M. The transfer function of the oculomotor system for small-amplitude slow motion trajectories

Julianne Skinner, Antimo Buonocore, Ziad Hafed

156M. The effect of eye movements on the postural control of patients with Parkinson's disease

Beomsu Kim, Namgyoon Kim

158M. A study of fixational eye movement directional parameters using hologram, stereo, and 2D image stimuli

Taina Lehtimäki, Ronan G. Reilly, Thomas J. Naughton

160M. Gaze cueing by multiple people

Szonya Durant, Francis Lammas, Sophie Mason, Emma Salter

162M. Probing neural decision making in behavioral models of scanpath prediction

Matthias Kümmerer, Thomas S.A. Wallis, Matthias Bethge

164M. Eye-tracking study of reading polycode texts: Evidence from Russian

Tatiana Petrova, Natalia Kalugina

166M. Saccadic suppression of natural image transformations

Maryam Keyvanara, Robert Allison

FACES

168M. Subliminal processing of emotional faces requires attention

Jeesun Kim, Simone Simonetti, Chris Davis

- 170M. Investigating implicit and explicit facial emotion perception in children with and without autism spectrum disorder**
Stephanie Van der Donck, Sofie Vettori, Milena Dzhelyova, Jean Steyaert, Bruno Rossion, Bart Boets
- 172M. The iron lady gets emotional: Emotional expressions strongly impact the Thatcher Illusion**
Sandra Utz, Claus-Christian Carbon
- 174M. Effects of self-referential processing and visual similarity on categorization of morphed faces**
Garrett Cotter, David Tovar, Mark Wallace
- 176M. Does red really enhance the perception of anger?**
Tarja Peromaa, Maria Olkkonen
- 178M. fMRI BOLD signal dynamics during perceptual adaptation to facial emotional expressions**
Olga Korolkova, Valentin Sinitsyn, Ekaterina Pechenkova
- 180M. Body size estimation: The influence of visual perspective**
Anne Thaler, Sergi Pujades, Isabelle Bülthoff, Michael J. Black, Betty J. Mohler
- 182M. Does appearance transformation of an avatar face changing its favorability impressions affect human recognition of its face?**
Shigeru Akamatsu, Ryoko Yamada, Momoko Hada
- 184M. Reading problems as visual problems: The possible roles of visual expertise and feature-based processing**
Heida Maria Sigurdardottir, Alexandra Arnardottir, Gudbjorn Larus Gudmundsson, Eydis Thuridur Halldorsdottir, Kristjan Helgi Hjartarson, Hilma Ros Omarsdottir, Anna Sigrídur Valgeirsdottir, Árni Kristjánsson
- 186M. Experimental neuropsychological evidence for defective configurational face processing in posttraumatic stress disorder**
Harald R. Bliem, Anja E. Walser, Christina J. Kirchler, Barbara H. Juen
- 188M. Influence of face- and observer-based factors on social perception of faces**
Mintao Zhao, Kaylee Eagleton, Kate Fuller
- 190M. The uncanny valley of agency: A spatial Human-centric bias**
Sara Rigutti, Giulio Baldassi, Andrea Carnaghi, Marta Stragà, Carlo Fantoni
- 192M. Decoding the development of face processing with EEG**
Ines Mares, Louise Ewing, Emily Farran, Michael Pappasavva, Fraser W. Smith, Marie L. Smith
- 194M. Encoding of person identity information in the occipital temporal area: A TMS study**
Charlotta Eick, Géza Ambrus, Lisa Röhrig, Sophie-Marie Rostalski, Catarina Amado, Gyula Kovács
- 196M. Turning heads - the role of changing views and expressions on perceived attractiveness of unfamiliar faces**
Pik Ki Ho, Fiona N. Newell

198M. Face recognition memory ability directly relates to motivation to view faces: Evidence from a large community sample

Louise Ewing, Michael Pappasavva, Inês Mares, Anne Richards, Marie L. Smith

200M. Superior imitation performance for emotional expressions displayed in the left hemiface of the model

Karola Schlegelmilch, Werner Sommer

202M. Altered functional brain connectivity during visual processing in congenital prosopagnosia

Kornél Németh, Máté Baradits

204M. Poor image quality leads to a conservative bias when matching facial identity

Harold Hill, Steven Roodenrys, Colin Clifford

206M. Perception of self-face and other-face attractiveness

Anna Pichugina, Galina Menshikova

208M. Face inversion effect and eye movement pattern in male and female during facial expression recognition

Elizaveta Luniakova, Natalia Malysheva, Jahan Ganizada

210M. fMRI evidence that facial motion sensitive cortex encodes relative feature timing

Ben Brown, Denis Schluppeck, Alan Johnston

212M. How does head orientation influence perceived gaze direction from each of the two eyes? Psychophysical experiments and analysis of geometrical cues in the stimulus eye region

Yumiko Otsuka, Colin W. G. Clifford

214M. Rapid categorization of face-like objects in a fast-periodic visual stimulation

Yuji Nihei, Hiroshi Higashi, Tetsuto Minami, Shigeki Nakauchi

216M. The role of lateralization of sensory functions in the perception of emotional expressions in an asymmetrical face

Sophie Shirenova, Alexandra Galanina, Alexander Vartanov, Stanislav Kozlovskiy

218M. A size-assimilation illusion between facial parts and its dependence on face image size

Kazunori Morikawa, Huiwen Sun, Soyogu Matsushita

220M. Age perception for human faces covered with global concentric pattern

Miyuki G. Kamachi, Yui Sawamura, Meisei Yasuda

222M. The effects of imagined intergroup physical contact on race categorization

Soraya Elizabeth Shamloo, Rosandra Coladonato, Carlo Fantoni, Andrea Carnaghi

224M. The temporal dynamics of identity encoding for famous faces

Géza Gergely Ambrus, Daniel Kaiser, Lisa-Celine Süllwold, Gyula Kovács

226M. A comparison of the EvoFIT face composites constructed in the normal way and when made on-line without an administrator

Priscilla Heard, Charlie Frowd, Thomas Hewett

228M. Utilizing instance segmentation of facial parts in personal identification

Hwa Jong Kim, Kyung Jin Cha

230M. Judgement and empathy of other people's face expressions: A psychophysical and fMRI study

Raimund Kleiser, Carola Widmann, Denise Potthoff, Sibylle Wimmer, Rüdiger Seitz

232M. Brain activity during the perception of female faces with use of cosmetics measured by near-infrared spectroscopy

Emi Nakato

234M. Color affects recognition of emoticon expression

Katsuaki Sakata, Songyang Liao, Galina Paramei

GROUPING

236M. Hierarchical inhibition of contour integration with transcranial magnetic stimulation

Hongmei Yan, Weiqiang Chen, Long Qin, Yixuan Zhuo

238M. Tell me what you are searching for, and I will tell you what you probably will see

Mohsen Rafiei, Andrey Chetverikov, Sabrina Hansmann-Roth, David Whitney, Árni Kristjánsson

LEARNING

240M. Adult cortical plasticity peaks after every meal

Cecilia Steinwurz, Silvia Animal, Paola Binda, Maria Concetta Morrone

242M. Novel 3D objects to study recognition and temporal context

Ehsan Kakaei, Stepan Aleshin, Jochen Braun

244M. Searching for meaning: Using pseudoword cues to investigate the formation of new object-word-connections in Virtual Reality

Lisa Voelker, Dejan Draschkow, Melissa L.-H. Vo

246M. Reversal task learning as a tool to comparatively study cognition in birds in quantitative ways

Sofija Perovic, Sara Letzner, Lukas Hahn, Aylin Klarer, Jonas Rose, Onur Güntürkün

248M. Avian hatching as a strategy to test context-specific habituation

Andrea Dissegna, Massimo Turatto, Cinzia Chiandetti

250M. Can task irrelevant statistical structure enhance perceptual learning?

Gabor Lengyel, Jozsef Fiser

252M. Learning the complex is easier than learning the simple

Kyoko Hine, Haruka Konno, Yoshiaki Tsushima

MAGNITUDE, TIME AND NUMEROSITY

254M. Monotonic responses to numerosity in early visual cortex

Jacob Paul, Tuomas ten Cate, Ben Harvey

256M. A SNARC-like effect for the perceived size of both physical and illusory figures

Valter Prpic, Mauro Murgia, Alessandro Soranzo, Tiziano Agostini

258M. Spatial but not temporal numerosity thresholds correlate with formal math skills in children

Paula Moscoso, Giovanni Anobile, Roberto Arrighi, Elisa Castaldi, Eleonora Grassi, Lara Pedonese, David Charles Burr

260M. Measuring the numerosity perceptual field

Irene Togoli, Giovanni Anobile, Nicola Domenici, David Burr, Roberto Arrighi

262M. Local and global contextual effects on duration reproduction

Filip Agatić, Chris Mathys, Domenica Buetti

264M. Distortions of perceived duration of visual stimuli induced by adaptation to tapping movements

Roberto Arrighi, Nicola Domenici, Giovanni Anobile, Irene Togoli, David Burr

266M. Magnitude affects temporal processing in sub-second but not in supra-second time-scale

Anuj Shukla, Rakesh Sengupta, Raju S Bapi

LUNCH - UNIVERSITY CAMPUS, CAFETERIA

11.45-14.15

BREAK

12.45-13.00

POSTER SESSION 3 – MOLO IV

13.00-15.00

ILLUSIONS

1A. Unravelling the illusion of flicker fusion

Diana Umeton, Ghaith Tarawneh, Jenny Read, Candy Rowe

3A. The apparent elongation of a disk by its rotation as haptic phenomenon

Akira Imai, Yves Rossetti, Patrice Revol

5A. Motion illusion in a specific direction caused by blinking of color LED pairs

Kazuhisa Yanaka, Aoto Kurihara, Toshiaki Yamanouchi

7A. Depth cue is necessary for the greenback illusion

Kempei Shiina

9A. The solitaire illusion generalises to large numerosities and brief presentation, but not to grouping based only on proximity

Marco Bertamini, Martin Guest, Michele Zito

11A. About specific and general factors for visual illusions

Aline F. Cretenoud, Lukasz Grzeczowski, Gregory Francis, Michael H. Herzog

13A. Individual differences in expectation based misperception: Effects of autistic traits in a neurotypical sample

Kadi Tulver, Jaan Aru, Talis Bachmann

15A. Relationship between amodal completion and the slimming effect of clothes

Yoshie Kiritani, Akane Kawasaki, Ikjoon Chang

17A. Developmental susceptibility to visuospatial illusions across vision and haptics

Corinne Holmes, Sarah Cooney, Fiona Newell

19A. Once again about the origin of the McCollough effect

Manana Khomeriki, David Janelidze, Natela Lomashvili, Guram Mikaberidze, Khatuna Rusadze, Reniko Sakandelidze, Archil Kezeli

21A. The effect of inhibition mechanisms on susceptibility to the Ponzo illusion

Hanna Bednarek, Magdalena Przedniczek, Justyna Olszewska, Jaroslaw Orzechowski

23A. Pupillometry obeys Emmert's law, which co-varies with autistic traits in typical adults

Chiara Tortelli, Marco Turi, David C. Burr, Paola Binda

25A. Verbal and motor responses to the Müller-Lyer and Ponzo illusions

Alla Cherniavskaia, Valeria Karpinskaia, Vsevolod Lyakhovetskii

27A. The size of circles affect flash-induced shape distortion illusion

Kenzo Sakurai

29A. Café-Wall like tilt illusion observed in alternately arranged sinusoidal gradation color gratings

Masanori Idesawa

31A. Effects of type and spatial arrangement of elements on apparent sliding motion

Nobuko Takahashi, Shinji Yukumatsu

33A. Brocken's phenomenon arising in night fogs on flat ground

Likio Sugano

35A. Illusory size reduction of elements with expansion of the entire arrangement

Taiichro Uechi, Makoto Ichikawa

37A. Measuring the Ebbinghaus illusion in children and adults with two different psychophysical methods

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184A. Image cues for glossiness perception obtained from low luminance specular reflection components

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186A. Effect of glossiness on the impression evaluation of paint color

Kentaro Inomata, Go Fujii, Noriko Nagata, Ayumi Ohkushi, Toshitaka Koyama

188A. Using neural networks to distinguish gloss from matte textured materials

Eugen Prokott, Hideki Tamura, Roland Fleming

190A. Robustness of the texture filling-out induced by masking of the stimulus contour

Shuichiro Taya

192A. Aspects of material softness in active touch

Dicle Dovencioglu, Katja Doerschner, Knut Drewing

194A. Eye movements to orientation defined texture: The effect of pattern configuration

Shumetha Sidhu, David Keeble

196A. Estimates of surface friction are primarily driven by linear motion

Robert Ennis, Katja Doerschner

TEMPORAL PROCESSING

198A. How do "duration selective" brain regions communicate?

Foteini Protopapa, Masamichi Hayashi, Domenica Buetti

200A. Spatiotemporal feature integration within discrete time windows provides evidence for discrete perception

Leila Drissi-Daoudi, Adrien Doerig, Michael H. Herzog

202A. Low frequency repetitive transcranial magnetic stimulation to right parietal cortex disrupts perception of briefly presented stimuli

Christina Howard, Hayley Boulton, Stacey A. Bedwell, Charlotte A. Boatman, Kate L. Roberts, Suvabrata Mitra

204A. Endogeneous attention enhances the temporal resolution of the visual processing at different stages

Makoto Ichikawa

206A. Population receptive field (pRF) mapping reveals topographical organisation of durations

Shrikanth Kulashekhar, Foteini Protopapa, Domenica Bueti

208A. When a visual event is perceived depends on how we attend to its temporal context

Ljubica Jovanovic, Pascal Mamassian

210A. The retinotopic representation of time in visual cortex

Gianfranco Fortunato, Tatiana Kénel-Pierre, Micah Murray, Domenica Bueti

212A. Time-based expectancy for tasks or for visual task cues?

Irina Monno, Stefanie Aufschneiter, Sonja Ehret, Andrea Kiesel, Roland Tomaschke

214A. Contrast gain control in glaucoma at photopic and mesopic light levels

Catarina A.R. João, Lorenzo Scanferla, Nomdo M. Jansonius

216A. Viewing emotional facial expressions enhances temporal resolution of the visual processing

Misa Kobayashi, Makoto Ichikawa

218A. Sensorimotor synchronization and temporal order judgements reveal saccadic temporal recalibration

Dunia Giomo, Brent Parsons, Domenica Bueti

220A. tDCS over dorsolateral prefrontal cortex modulates time perception of emotional pictures

Leonardo Gomes Bernardino, Evandro Ribeiro Gonçalves Neto, Felipe Santos de Oliveira, Rui de Moraes Jr

222A. Changes in brain oscillation frequency subserve temporal processing at attended visual locations

Poppy Sharp, Clayton Hickey, David Melcher

224A. Bias in temporal perception during aerobic exercises

Alessia Tonelli, Monica Gori

226A. Neural entrainment tracks the temporal structure of visual rhythms

Ruichen Hu, Xue Zhang, Yi Jiang, Ying Wang

228A. The encoding of time in visual cortices

Andrea Solmi, Domenica Bueti

230A. Beyond hazard rate: Response time reflects proactive preparation for future events

Muzhi Wang, Hang Zhang

232A. Multisensory duration reproduction in the supra-second range

Didem Alashan, Resit Canbeyli, Inci Ayhan

VISUAL SEARCH

234A. Attention and search tasks in children with dyslexia

Khatuna Parkosadze, Tamar Tatishvili, Nino Lomidze, Marina Kunchulia

236A. Individual differences in exploring 3D virtual space

Sören Eckhard, Aman Mathur, Rupak Majumdar, Tandra Ghose

238A. All beginnings are difficult: Repeated search through Virtual Reality Environments

Dario Stänicke, Dejan Draschkow, Melissa L.H. Vo

240A. Color and orientation precueing exert asymmetrical effects on color and orientation conjunction search

Aave Hannus, Harold Bekkering, Frans W. Cornelissen

242A. Relevance affects repeated visual search

Sebastian A. Bauch, Christof Körner, Iain D. Gilchrist, Margit Höfler

244A. Probability and task relevance modulate fixation-related potentials in visual search with eye movements

Hannah Hiebel, Anja Ischebeck, Clemens Brunner, Andrey R. Nikolaev, Margit Höfler, Christof Körner

246A. Searching beats memorizing in creating memory representations for objects in realistic virtual environments

Jason Helbing, Dejan Draschkow, Melissa L.-H. Vo

248A. A simple model for short-term memory effects in repeated visual search

Christof Körner, Margit Höfler, Iain D. Gilchrist

250A. Human fixations on line drawings of natural scenes

Kaifu Yang, Wenwen Jiang, Yongjie Li

252A. One item in visual working memory is an attentional template, but two are not: A successful replication of Van Moorselaar et al. (2014)

Marcela Frătescu, Dirk Van Moorselaar, Sebastiaan Mathôt

254A. Multiplicity of attention guidance by long-term memory of visual search arrays: Insights from event-related EEG lateralizations

Artyom Zinchenko, Markus Conci, Thomas Töllner, Hermann Müller, Thomas Geyer

256A. Proactive control mechanisms for distractor expectation in visual search

Marco Petilli, Francesco Marini, Roberta Daini

258A. The specificity of the search template revisited: Evidence from human foraging

Tómas Kristjánsson, Katrín Justyna Alexdóttir, Árni Kristjánsson

260A. Multiple identity tracking: Unexpected item onset and attentional load

Michaela Porubanova, Maria Kuvaldina, Erica Geiger, Haaziq Walker, Almara Kulieva

262A. Abnormal visual search among population with mathematical learning difficulties

Sharon Levy, Liat Goldfarb

ILLUSION EXHIBITION “UN MARE DI ILLUSIONI” – MOLO IV

19.30-20.30

CONFERENCE PARTY – MOLO IV

20.30-00.00

41st European Conference on Visual Perception ECVP 2018

26–30 August 2018 | Trieste, Italy



WEDNESDAY, August 29th 2018

WEDNESDAY 29th		Venue	Sessions			
8:00	8:30	Registration				
8:30	9:00	Talks & Symposia 3	Perception & Action I <i>Auditorium</i>	fMRI responses to adaptation of visual magnitudes <i>Hall 1A</i>	Neuromodulation and cortical plasticity in the visual cortex: local and network effects <i>Hall 1B</i>	Lightness & Brightness, Surface & Texture <i>Hall 2B</i>
9:00	9:30					
9:30	10:00		Coffee break			
10:00	10:30	Talks & Symposia 4	Perception & Action II <i>Auditorium</i>	The influence of secondary/corrective saccades on motor, visual, and cognitive processing <i>Hall 1A</i>	Seeing things with different eyes: Comparative visual perception <i>Hall 1B</i>	Rhythms for perception: how neural oscillations determine our perceptual interpretation <i>Hall 2B</i>
10:30	11:00					
11:00	11:30					
11:30	12:00	Lunch				
12:00	12:30					
12:30	13:00					
13:00	13:30	Talks & Symposia 5	ECVP 1978-2018 – “Now we are 40” <i>Auditorium</i>	Perceiving others, interacting with them: new perspectives in action observation research <i>Hall 1A</i>	Faces <i>Hall 1B</i>	Clinical <i>Hall 2B</i>
13:30	14:00					
14:00	14:30					
14:30	15:00	Talks & Symposia 6	What individual differences teach us about vision: going beyond simple correlation <i>Auditorium</i>	Visual control of action in complex sensorimotor situations <i>Hall 1A</i>	Perceptual Organisation & Spatial Vision <i>Hall 1B</i>	Clinical & Development <i>Hall 2B</i>
15:00	15:30					
15:30	16:00		Coffee break			
16:00	16:30	Talks & Symposia 7	What are eye blinks good for? Perceptual, oculomotor, and cognitive effects of eye blinks <i>Auditorium</i>	Colour <i>Hall 1A</i>	Motion & Biological motion <i>Hall 1B</i>	Numerical vision <i>Hall 2B</i>
16:30	17:00					
17:00	17:30					
17:30	17:45	Break				
17:45	18:00	Gala Dinner				
18:00	18:30					
18:30	19:00					
19:00	19:15	Gala Dinner				
19:15	19:30					
19:30	20:00					
20:00	20:30	Gala Dinner				
20:30	23:00					
23:00	00:00					

WEDNESDAY, August 29th 2018

TALK SESSION – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

8.30-10.00

PERCEPTION AND ACTION I

Chair: Paolo Bernardis

Weber's Law in 2D grasping

Tzvi Ganel, Aviad Ozana, Daniel Algom

Grasping in depth shows the same biases as depth perception

Karl Kopiske, Chiara Bozzacchi, Robert Volcic, Fulvio Domini

Grasping the Uznadze illusion: Hand shaping is driven by relative size as well as stimulus similarity

Stefano Uccelli, Veronica Pisu, Lucia Riggio, Gioacchino Garofalo, Nicola Bruno

Uncertainty in coordinate transformations affects obstacle avoidance

Parisa Abedi Khoozani, Dimitris Voudouris, Gunnar Blohm, Katja Fiehler

How do we deal with accelerating objects despite our visual system's dismal ability to judge acceleration?

Eli Brenner, Cristina de la Malla, Patricia García Delgado, Jeroen B.J. Smeets

A single response mechanism accounts for spatial and temporal responses in a timing task

Joan Lopez-Moliner, Elisabet Tubau, David Aguilar-Lleyda

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

8.30-10.00

fMRI RESPONSES TO ADAPTATION OF VISUAL MAGNITUDES

Organized by Domenica Bueti

Mapping time in the human brain

Domenica Bueti

Interactions between time, number and action in human parietal cortex

Maria Concetta Morrone

Neural population code in the right parietal cortex mediates subjective experience of time

Masamichi Hayashi

Does numerosity adaptation exist without duration adaptation?

Andromachi Tsouli, Susan F. te Pas, Serge O. Dumoulin, Maarten J. van der Smagt

Spatiotopic adaptation in visual areas

Eckart Zimmermann

NEUROMODULATION AND CORTICAL PLASTICITY IN THE VISUAL CORTEX: LOCAL AND NETWORK EFFECTS

Organized by Grace Edwards, Federica Contò

Mapping the effects of transient cortical disruption across the brain: Combining thetaburst TMS and fMRI

David Pitcher

Transcranial random noise stimulation: Neural mechanisms and applications in vision research

Gianluca Campana, Rebecca Camilleri, Filippo Ghin, Beatrice Moret, Rita Donato, Chiara Milesi, Giuseppe Lo Giudice, Andrea Pavan

Time-dependent neuromodulation of large-scale attention networks

Lorella Battelli, Sara Agosta, Florian Herpich, Federica Contò, Grace Edwards, Sarah Tyler, Emily Grossman

Differential effects of single and accelerated low-frequency rTMS to visual cortex on GABA concentration

Jennifer Steeves, Sara Rafique

Neuromodulation of visual cortical neurons by Transcranial Current Stimulation

Bart Krekelberg, Yinghua Liu, Jacob Duijnhouwer, Pierre-Olivier Polack

LIGHTNESS AND BRIGHTNESS & SURFACE AND TEXTURE

Chair: Alessandro Soranzo

Integrating color, contours, shading and texture: when does co-variation matter?

Steven Zucker, Benjamin Kunsberg

A role for metallicity in the perception of surface reflectance

Matteo Toscani, Dar'ya Guarnera, Giuseppe Claudio Guarnera, Jon Yngve Hardeberg, Karl Gegenfurtner

The pupillary light response reflects high-priority content in visual working memory

Cecilia Husta, Sebastiaan Mathôt

Changes in relative area produce equal and opposite effects on lightness and perceived illumination

Alessandro Soranzo, Alan Gilchrist

The contribution of the pictorial cues underlying the Adelson Illusion

Paul George Lovell, Kenneth Scott-Brown

Edge integration theory explains the lightness of real surfaces viewed under Gelb illumination

Michael Rudd

COFFEE BREAK – UNIVERSITY CAMPUS, CAFETERIA

10.00-10.30

ORAL SESSION – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

10.30-12.00

PERCEPTION AND ACTION II

Chair: Carlo Fantoni

Never alone: Group belongingness as a determinant of the Emotional Semantic Congruency effect

Giulio Baldassi, Sara Rigutti, Marta Stragà, Tiziano Agostini, Andrea Carnaghi, Carlo Fantoni

The neural correlates of adult and infant action syntax

Laura Maffongelli, Alessandro D'Ausilio, Luciano Fadiga, Moritz M. Daum

Neural tracking of self and other during joint movement synchronization

Manuel Varlet, Sylvie Nozaradan, Patti Nijhuis, Peter E. Keller

A common cause for the phenomenological and sensorimotor correlates of limb ownership

Cesare Parise, Majed Samad, Sean Keller, Massimiliano Di Luca

Action-based predictions lead to reduced neural processing of visual stimuli regardless of temporal predictability

Bianca van Kemenade, Christina Lubinus, Tilo Kircher, Benjamin Straube

Sight restoration in congenitally blind individuals: Visuo-motor adaptation

Irene Senna, Sophia Pfister, Marc Ernst

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

10.30-12.00

THE INFLUENCE OF SECONDARY/CORRECTIVE SACCADDES ON MOTOR, VISUAL, AND COGNITIVE PROCESSING

Organized by Brent Parsons

Execution of corrective saccades affects speed perception

Karl Gegenfurtner, Alexander Göttker, Doris Braun, Alexander Schütz

Secondary saccades beyond error correction

Sven Ohl

Object files across eye movements: Previous fixations affect the latencies of corrective saccades

Stefan Van der Stigchel, Jasper Fabius, Nathan van der Stoep, Martijn Schut

Rapid alternating saccades reveal biases in secondary saccade programming

Brent Parsons, Richard Ivry

SEEING THINGS WITH DIFFERENT EYES: COMPARATIVE VISUAL PERCEPTION

Organized by Cinzia Chiandetti

Visual and biomechanical functions for headbobbing in birds

Niko Troje, Leslie Theunissen

Visual statistical learning in honeybees

Aurore Avargues-Weber, Valerie Finke, Marton Nagy, Tunde Szabo, Adrian Dyer, Jozsef Fiser

Complex visual analysis of socially relevant displays in teleosts

Peter Neri

Does attention-calling alter the perception of social interactions? A comparison of dogs and wolves

Zsófia Virányi

Can I talk to a squid? The origin of visual communication through the behavioral ecology of cephalopod

Ryuta Nakajima

RHYTHMS FOR PERCEPTION: HOW NEURAL OSCILLATIONS DETERMINE OUR PERCEPTUAL INTERPRETATION

Organized by David Melcher, Luca Ronconi

Rhythms in perception: Action planning and behavioral oscillations

Alessandro Benedetto, Maria Concetta Morrone

Neuronal oscillation mediates behavioral oscillation in visual attention

Huan Luo

Shaping brain waves: An information-based approach

Vincenzo Romei

Temporal windows in perception and their link with neural oscillations

Luca Ronconi, Nikolaas Oosterhof, Niko Busch, Claudia Bonmassar, Daniel Baldauf, David Melcher

Alpha frequency shapes temporal integration and is guided by top-down control

Jason Samaha, Andreas Wutz, David Melcher, Bradley Postle

Neural oscillations as time metrics

Virginie van Wassenhove

ECVP 1978-2018 – “NOW WE ARE 40”

Organized by Brian Rogers

The lost realms of stimulus space

John D. Mollon

Stereoscopic Vision: from positional disparities to global analysis

Barbara Gillam

From gratings to Gestalts: Some reflections from 40 years of ECVP

Johan Wagemans

From Gabor patches to natural scenes

Peter Neri

From one to many: Looking at perception across modalities

Lore Thaler

From gratings to goop: New directions and approaches in visual perception research

Roland Fleming

PERCEIVING OTHERS, INTERACTING WITH THEM: NEW PERSPECTIVES IN ACTION OBSERVATION RESEARCH

Organized by Antonella Maselli

Imitation in autism: Exploring the impact of attention instructions during action observation

Emma Gowen

Contextual effects in perceiving other's actions: A transcranial magnetic stimulation approach

Lucia Amoruso

Developmental mechanisms for action prediction: From infants to adults

Janny Stapel, Sabine Hunnius, Benjamin Koch, Marlene Meyer, Harold Bekkering

The role of visual information during joint action

Cordula Vesper

Sensorimotor communication strategies for Improving interactive skills

Francesco Donnarumma

FACES

Chair: Peter Thompson

How discriminable are visually expressed attitudes?

Chris Davis, Jeusun Kim

Orientation sensitivity at different levels of face processing

Christianne Jacobs, Charlotte Raskopf, Vincent Malotaux, Kirsten Petras, Valerie Goffaux

Fixed or flexible? Orientation preference in identity and gaze processing in humans

Valerie Goffaux, Vasilopoulou Maria

The sampling rate of face processing as measured by the face distortion illusion

David Melcher, Giacomo Aldegheri, Chad Dubé

Adaptation to other people's eye gaze reflects habituation of high-level perceptual representations

Colin Palmer, Colin Clifford

Eye gaze and pointing gestures are precise social cues

Ailbhe McKinney, James Gillen, Nuala Brady

CLINICAL

Chair: Edward de Haan

Action blindsight and antipointing in a hemianopic patient

Edward de Haan, Steven Scholte, Anouk Smits, Noor Seijdel, Robert Kentridge

Resting-state fMRI reveals functional networks that correlate with visual training effects in chronic hemianopia

Hinke Halbertsma, Joris A. Elshout, Douwe P. Bergsma, Frans W. Cornelissen, Koen V. Haak, Albert V. van den Berg

Observation of intermittent exotropia treatment with dichoptic visual training based on Virtual Reality platform

Jin Zeng, Xue Li, Cheng Yang, Yan Zhang, Li Yan

Screening for and reconstructing visual field defects based on free-viewing eye-movements

Birte Gestefeld, Alessandro Grillini, Jan-Bernard C. Marsman, Frans W. Cornelissen

Visual plasticity in Retinitis Pigmentosa

Claudia Lunghi, Lucia Galli Resta, Paola Binda, Guido Marco Cicchini, Giorgio Placidi, Benedetto Falsini, Maria Concetta Morrone

Priors for the detection of socially meaningful stimuli as perceptual markers for psychosis proneness

Philipp Sterzer, Heiner Stuke, Elisabeth Kress, Veith Andreas Weilhhammer, Katharina Schmack

COFFEE BREAK – UNIVERSITY CAMPUS, CAFETERIA

15.30-16.00

SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

16.00-17.30

WHAT INDIVIDUAL DIFFERENCES TEACH US ABOUT VISION: GOING BEYOND SIMPLE CORRELATION

Organized by Pieter Moors, Michael H. Herzog

Introduction

Pieter Moors

From human variability to visual mechanisms: Some uses and abuses of factor analytic methods in vision science

David Peterzell

Decoding perceptual representations from individual differences

Kara J. Emery, Vicki J. Volbrecht, David H. Peterzell, Michael A. Webster

Using individual differences to infer visual mechanisms

Jenny Bosten, John Mollon

Large-scale individual differences in visual appearance and their dynamics over time and space

Mark Wexler

Order-constrained inference to study individual differences in perceptual organization

Pieter Moors, Johan Wagemans

The individual structure of visual space

Michael H. Herzog, Aline F. Cretenoud, Gregory Francis, Albulena Shaqiri, Lukasz Grzeczowski

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

16.00-17.30

VISUAL CONTROL OF ACTION IN COMPLEX SENSORIMOTOR SITUATIONS

Organized by Dimitris Voudouris

Eye movements in grasping

Dimitris Voudouris, Jeroen B.J. Smeets, Katja Fiehler, Eli Brenner

The contribution of visual information to upper limb movements in older adults

Rachel Coats

Gaze Control for Natural Action

Mary Hayhoe, Jonathan Matthis

Gaze adaptations to peripheral visual field loss during locomotion

Colas Authié

Understanding vision and action through computation

Constantin Rothkopf

TALK SESSION – UNIVERSITY CAMPUS, HALL 1B (BUILDING H3)

16.00-17.30

PERCEPTUAL ORGANIZATION & SPATIAL VISION

Chair: Oliver Tošković

Coarse image information guides integration of fine details (if you let it)

Kirsten Petras, Christianne Jacobs, Sanne ten Oever, Valerie Goffaux

Behavioral oscillations in global/local processing: Global-alpha mediates global precedence effect

Ling Liu, Huan Luo

Does the processing of closure need the primary visual cortex: A tDCS study

Weina Zhu, Weixiong Li, Jan Drewes

Gestalts at threshold: a comparison of basic emergent features

Thiago Leiros Costa, Pieter Moors, Johan Wagemans

Detecting simultaneity following late sight onset in congenital cataract blinds

Tapan Gandhi, Piyush Swami, Shefali Gupta, Pawan Sinha

Never repeat the same trick twice - unless it is based on amodal completion

Vebjørn Ekroll, Evy De Bruyckere, Lotte Vanwezemael, Johan Wagemans

TALK SESSION – UNIVERSITY CAMPUS, HALL 2B (BUILDING H3)

16.00-17.30

CLINICAL & DEVELOPMENT

Chair: Sunčica Zdravković

Noisier but still flexible: Typical numerosity adaptation despite selectively impaired number acuity in dyscalculia

Giovanni Anobile, Filippo Gasperini, Guido Marco Cicchini, David Burr

Synesthesia and autism spectrum disorder: Shared characteristics of visual perception

Tessa M van Leeuwen, Floor Burghoorn, Rob van Lier

Atypical Basic Psychophysics in autism: Violation of Weber's law in vision and haptic

Bat-Sheva Hadad

Poor global motion coherence sensitivity and attention deficits in children with perinatal brain injury, preterm birth or developmental coordination disorder: common dorsal stream deficits?

Janette Atkinson, Fleur Corbett, Eliza Fazzi, Serena Micheletti, Daniella Ricci, Giorgia Coratti, Morag Andrew, Peter Sullivan, Christine Montague-Johnson, Oliver Braddick

The development of visuo-haptic exploration strategies in school-aged children

Alessandra Sciutti, Clara Melchiori, Giada Lombardi, Giulio Sandini

"Stuck on the duck" - Gradual morphing presentation slows down perceptual decision making in preschoolers

Elisabeth Stöttinger, Beate Priewasser

BREAK

17.30-17.45

SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

17.45-19.15

WHAT ARE EYE BLINKS GOOD FOR? PERCEPTUAL, OCULOMOTOR, AND COGNITIVE EFFECTS OF EYE BLINKS

Organized by Gerrit Maus

Eye blinks, perception and prediction

Tal Golan, Shany Grossman, Ido Davidesco, Meir Meshulam, David M. Groppe, Pierre Mégevand, Erin M. Yeagle, Matthew S. Goldfinger, Michal Harel, Lucia Melloni, Charles E. Schroeder, Ashesh D. Mehta, Leon Y. Deouell, Rafael Malach

Visual continuity and alterations in time perception during blinks

Marianne Duyck, Thérèse Collins, Mark Wexler

Blinks reset gaze control and attention

Gerrit Maus

Saliency and surprise revealed by spontaneous eye-blinks

Yoram Bonne

Cognitive and social functions of spontaneous blinks

Tamami Nakano

TALK SESSION – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

17.45-19.15

COLOUR

Chair: Rob van Lier

A curious feature of thresholds for discriminating colorimetric purity

Marina Danilova, John D. Mollon

Colour synthesis

Jan Koenderink, Andrea van Doorn, Karl Gegenfurtner

A model of how memory colors effect arises in a recurrent neural network

Dražen Domijan, Mateja Marić

Color scission versus spatial integration for real lights on real 3D objects

Qasim Zaidi, Romain Bachy

What are the mechanisms behind colour adaptation and afterimages?

Christoph Witzel, Alexander Nowak

Luminance spatial distribution plays a major role in color assimilation

Xim Cerda-Company, Xavier Otazu, Nilai Sallent, C. Alejandro Parraga

TALK SESSION – UNIVERSITY CAMPUS, HALL 1B (BUILDING H3)

17.45-19.15

MOTION & BIOLOGICAL MOTION

Chair: Ian M. Thornton

How well can we judge speed across different directions?

Oliver Braddick, Rory Trevelyan-Thomas, Catherine Manning

Current visual information and Newtonian prediction is utilised in the perception of colliding objects

Abdul Deeb, Evan Cesanek, Fulvio Domini

Extracting self-motion and 3-D depth information from 2-D video sequences using the properties of primate motion sensitive neurons

John Perrone, Michael Cree

Who's chasing whom?: Changing background motion reverses impressions of chasing in perceived animacy

Benjamin van Buren, Brian Scholl

Temporal dynamics of the networks for body motion processing at 9.4 Tesla

Marina Pavlova, Michael Erb, Gisela Hagberg, Alexander Sokolov, Andreas Fallgatter, Klaus Scheffler

The relative role of visual self-motion feedback and biological sex identification on the sense of self

Michael Barnett-Cowan, Aubriann Schettler, Ian Holstead, John Turri

NUMERICAL VISION

Organized by Ben Harvey

Spontaneous perception of numerosity in children and adults

David Burr, Giudo Marco Cicchini, Giovanni Anobile

Dynamics of numerosity representation in the early visual cortex

Michele Fornaciai, Joonkoo Park

Topographic quantity processing networks in human association cortex

Ben Harvey, Serge Dumoulin

The time course of individuation and its role in numerical and visual cognition

Andreas Wutz, David Melcher

Brain mechanisms of arithmetic: A crucial role for ventral temporal cortex

Pedro Pinheiro-Chagas, Amy Daitch, Josef Parvizi, Stanislas Dehaene

41st European Conference on Visual Perception ECVP 2018

26–30 August 2018 | Trieste, Italy



THURSDAY, August 30th 2018

		THURSDAY 30th	Venue	Sessions			
8:00	8:30	Registration	University campus				
8:30	9:00	Talks & Symposia 8		European Symposium on Perception and Action in Sport <i>Auditorium</i>	3D Vision: what is the state of the art? <i>Hall 1A</i>	Eye Movements <i>Hall 1B</i>	Research methods & Computational models <i>Hall 2B</i>
9:00	9:30						
9:30	10:00			Coffee break			
10:00	10:30	Talks & Symposia 9		European Symposium on Perception and Action in Sport <i>Auditorium</i>	3D Vision: what is the state of the art? <i>Hall 1A</i>	Eye Movements & Peripheral Vision <i>Hall 1B</i>	Illusions & Object Perception <i>Hall 2B</i>
10:30	11:00						
11:00	11:30						
11:30	12:00	Lunch		Business meeting <i>Auditorium</i>			
12:00	12:30						
12:30	13:00						
13:00	13:30						
13:30	14:00	Talks & Symposia 10		European Symposium on Perception and Action in Sport <i>Auditorium</i>	Perceptual structures – A Festschrift for Michael Kubovy <i>Hall 1A</i>	3D vision, Depth and Stereo <i>Hall 1B</i>	Ensemble perception is more than averages <i>Hall 2B</i>
14:00	14:30						
14:30	15:00						
15:00	15:30	Coffee break					
15:30	16:00	Talks & Symposia 11		European Symposium on Perception and Action in Sport <i>Auditorium</i>	Perceptual structures – A Festschrift for Michael Kubovy <i>Hall 1A</i>	Deep neural networks: the new benchmark model of visual object recognition <i>Hall 1B</i>	Crowding <i>Hall 2B</i>
16:00	16:30						
16:30	17:00						
17:00	17:30	Break					
17:30	17:45	Talks & Symposia 12		European Symposium on Perception and Action in Sport <i>Auditorium</i>	Art & Scene Perception <i>Hall 1A</i>	Visual Search & Bistable Perception <i>Hall 1B</i>	Multisensory & Decision making <i>Hall 2B</i>
17:45	18:00						
18:00	18:30						
18:30	19:00						
19:00	19:15						

THURSDAY, August 30th 2018

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

8.30-10.00

EUROPEAN SYMPOSIUM ON PERCEPTION AND ACTION IN SPORT (ESPAS)

Organized by Mauro Murgia, Tiziano Agostini, Fabrizio Sors, Alessandra Galmonte

Symposium introduction: Linking perception and sport

Mauro Murgia

Virtual Reality Technology: How can it help us understand decision-making in sport?

Cathy Craig

Eye tracking challenges when capturing visual perception in sports situations

José Antonio Navia Manzano

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

8.30-10.00

3D VISION: WHAT IS THE STATE OF THE ART?

Organized by Fulvio Domini, Dhanraj Vishwanath

Introductory remarks

Dhanraj Vishwanath, Fulvio Domini

The nature of depth cues

Barbara Gillam

Context dependency in 3D shape perception

James Todd

Quadratic rescaling of multiple depth cues to a world metric for effective action

Christopher Tyler

The need for fresh thinking on cortical processing for 3D vision

Andrew Glennerster

How are 2D and stereoscopic 3D information encoded together in primary visual cortex?

Jenny Read, Sid Henriksen, Daniel Butts, Bruce Cumming

To understand 3D vision, we must study how vision is learnt

Roland Fleming

3D vision and action

Thomas Papathomas, Elizabeth Torres, Michael Wagner

Understanding the perception of vast spaces

Jeanine Stefanucci, Roberta Klatzky, William Thompson

Towards a 3D visual reasoning challenge for machine vision

Thomas Serre

An early experimental investigation of central and peripheral vision by Ibn al-Haytham (Alhazen)

Gül A. Russell, M.I. Russell, Ian I. Steele-Russell

TALK SESSION – UNIVERSITY CAMPUS, HALL 1B (BUILDING H3)

8.30-10.00

EYE MOVEMENTS

Chair: Martin Rolfs

Eye meant to do that: Transsaccadic perception depends on intended eye-movements

Martijn Schut, Nathan Van der Stoep, Jasper Fabius, Stefan Van der Stigchel

Accessing transsaccadic memory by post-saccadic blanking

Lukasz Grzeczowski, Jonathan van Leeuwen, Artem V. Belopolsky, Heiner Deubel

Sequence-to-sequence deep learning for eye movement classification

Mikhail Startsev, Ioannis Agtzidis, Michael Dorr

Where am eye looking? Subjective gaze moves across space before saccade onset

Meng Fei Ngan, Nina Hanning, Heiner Deubel

Distribution of fixations during natural reading with central field loss

Éric Castet, Aurélie Calabrèse, Carlos Aguilar, Céline Pocheau

Systematic eye movement training to predict the outcome from neuroimaging data at the initial stage of stroke treatment

Abdulrahman Aloufi, Vanessa Sluming, Fiona Rowe, Georg Meyer

TALK SESSION – UNIVERSITY CAMPUS, HALL 2B (BUILDING H3)

8.30-10.00

RESEARCH METHODS & COMPUTATIONAL MODELS

Chair: Dražen Domijan

Absorption efficiency of cones is considerably affected with healthy aging

Daphne Silvestre, Angelo Arleo, Remy Allard

Fast concurrent processing of object shape and category in posterior MEG sensors

Paolo Papale, Monica Betta, Francesca Setti, Giulia Malfatti, Pietro Pietrini, Emiliano Ricciardi, Luca Turella, Andrea Leo

The relation between pleasure and beauty

Aenne Brielmann, Denis Pelli

A recursive Bayesian updating scheme to model the effect of prediction on individuation

Huseyin Boyaci, Buse M. Urgan

Are we fooling ourselves when comparing mean correct RTs, and error percentages?

Sven Panis, Thomas Schmidt

How to control for confounds in decoding analyses of neuroimaging data

Lukas Snoek, Steven Miletić, H. Steven Scholte

COFFEE BREAK – UNIVERSITY CAMPUS, CAFETERIA

10.00-10.30

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

10.30-12.00

EUROPEAN SYMPOSIUM ON PERCEPTION AND ACTION IN SPORT (ESPAS)

Organized by Mauro Murgia, Tiziano Agostini, Fabrizio Sors, Alessandra Galmonte

Auditory modulation of vision, proprioception and motor behavior

Alfred O. Effenberg, Shashank Ghai, Tonghun Hwang, Gerd Schmitz

The perception of natural and modulated movement sounds

Markus Raab, Nina Heims, Ricarda Schubotz

Auditory information significantly contributes to the anticipation of shot power in ball sports

Fabrizio Sors, Mauro Murgia, Ilaria Santoro, Alessandra Galmonte, Tiziano Agostini

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

10.30-12.00

3D VISION: WHAT IS THE STATE OF THE ART?

Organized by Fulvio Domini, Dhanraj Vishwanath

Open discussion

Moderated by Fulvio Domini, Dhanraj Vishwanath

TALK SESSION – UNIVERSITY CAMPUS, HALL 1B (BUILDING H3)

10.30-12.00

EYE MOVEMENTS & PERIPHERAL VISION

Chair: Maria Michela Del Viva

(How) Does pupil size affect detection performance?

Sebastiaan Mathôt, Yavor Ivanov

Pupillary response to paintings of the sun

Maria Michela Del Viva, Serena Castellotti, Martina Conti, Claudia Feitosa-Santana

Visual feature prediction before saccadic eye movements

Arvid Herwig, Christian H. Poth

Trans-saccadic learning rapidly recalibrates peripheral size perception

Matteo Valsecchi, Carlos R. Cassanello, Arvid Herwig, Martin Rolfs, Karl R. Gegenfurtner

Area prostriata in the human brain

Kyriaki Mikellidou, Jan W. Kurzawski, Francesca Frijia, Domenico Montanaro, David C. Burr, Maria Concetta Morrone

Two-photon imaging evidence for neurons specialized in second-order stimulus processing in macaque V1

Shuchen Guan, Niansheng Ju, Shiming Tang, Cong Yu

TALK SESSION – UNIVERSITY CAMPUS, HALL 2B (BUILDING H3)

10.30-12.00

ILLUSIONS & OBJECT PERCEPTION

Chair: Johan Wagemans

The illusion of perceptual stability through serial dependence

Mauro Manassi, David Whitney

Sequence irregularity oppositely influence spatial and temporal estimates

Min Li, Ulrik Beierholm, Massimiliano Di Luca

When the brain fools your eyes: Pupillary response in motion-induced blindness

Dina Devyatko, Ronen Hershman, Michael Wagner, Ruth Kimchi, Avishai Henik

The Ebbinghaus size illusion depends more on the retinal than perceived size of surrounding stimuli

Saki Takao, Colin Clifford, Katsumi Watanabe

Differential fMRI responses to material motion compared to other motion types

Alexandra Schmid, Huseyin Boyaci, Katja Doerschner

BUSINESS MEETING – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

12.00-13.00

LUNCH - UNIVERSITY CAMPUS, CAFETERIA

12.00-14.00

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

14.00-15.30

EUROPEAN SYMPOSIUM ON PERCEPTION AND ACTION IN SPORT (ESPAS)

Organized by Mauro Murgia, Tiziano Agostini, Fabrizio Sors, Alessandra Galmonte

Real-time audio-feedback for improving motor performance

Nina Schaffert, Klaus Mattes

Expert players accurately detect an opponent's movement intentions through sound alone

Ivan Camponogara, Matthew Rodger, Cathy Craig, Paola Cesari

Expertise differences in identifying the direction of an opposing footballer's moves: A behavioural and ERP study with point-light stimuli

Michael Wright, Robin Jackson

Brain dynamics during action anticipation processes: A study protocol

Sergio Costa, Pierpaolo Croce, Maurizio Bertollo, Filippo Zappasodi

Emergent coordination in joint interception

Frank Zaal, Daphne van Opstal, Niek Benerink, Remy Casanova, Reinoud Bootsma

Both eye tracking and manual control performance predict batting accuracy in experienced professional baseball players

Li Li, Rongrong Chen

Predicting ball direction from compact representation and classification of whole-body throwing actions

Antonella Maselli, Aishwar Dhawan, Benedetta Cesqui, Marta Russo, Francesco Lacquaniti, Andrea d'Avella

Employing adaptive working memory training to improve the quiet eye and tennis performance under pressure

Emmanuel Ducrocq, Mark Wilson, Nazanin Derakshan

On the perception of 'flow' in action and adventure sport athletes: Individual differences in 'mindfulness' predict the likelihood of negative consequences

Brent Hogarth, David H. Peterzell

Open discussion

Moderated by Fabrizio Sors

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

14.00-15.30

PERCEPTUAL STRUCTURES – A FESTSCHRIFT FOR MICHAEL KUBOVY

Organized by Marco Bertamini

Measuring Gestalts

James R. Pomerantz

Perceptual grouping in dot lattices revisited

Johan Wagemans

Perceptual organization of solid space

Sergei Gepshtein

Dot lattices and brain dynamics

Cees van Leeuwen

Perception of symmetry: Psychophysics, neuroscience and aesthetics

Marco Bertamini, Alexis Makin, Giulia Rampone

Open discussion

Moderated by Marco Bertamini

TALK SESSION – UNIVERSITY CAMPUS, HALL 1B (BUILDING H3)

14.00-15.30

3D VISION, DEPTH AND STEREO

Chair: Pascal Mamassian

Human 3D shape similarity

Guido Maiello, Yaniv Morgenstern, Filipp Schmidt, Roland W. Fleming

Retinal-conjugate surfaces: The blur horopter

Agostino Gibaldi, Vivek Labhishetty, Larry N. Thibos, Martin S. Banks

Re-evaluating vergence as a distance cue

Paul Linton

Parallel lines sometimes diverge: A new perspective illusion

Brian Rogers, Alla Cherniavskaia

Experiencing 3D: Identifying the cortical substrates of the qualitative impression of stereopsis with fMRI

Dhanraj Vishwanath, Makoto Uji, Ian Cavin, Angelika Lingnau

Implicit and explicit assessment of environmental stability modulates visually evoked postural responses in VR

Georg Meyer, Iain Cant, Mark White, Natalia Cooper

SYMPOSIUM – UNIVERSITY CAMPUS, HALL 2B (BUILDING H3)

14.00-15.30

ENSEMBLE PERCEPTION IS MORE THAN AVERAGES

Organized by Gianluca Campana, Andrey Chetverikov, Árni Kristjánsson

Uncertain stimulus representations aid the learning of their distributions

Andrey Chetverikov, Gianluca Campana, Árni Kristjánsson

Explicit and implicit judgments of distribution characteristics: Do they lead to different results?

Sabrina Hansmann-Roth, Árni Kristjánsson, David Whitney, Andrey Chetverikov

Optimal variance encoding of contours in naturalistic images

Jozsef Fiser, Jeppe Christensen, Peter Bex

Amplification in ensemble perception

David Whitney, Shoko Kanaya, Allison Yamanashi-Leib

The role of ensemble summaries in the segmentation and categorization of multiple intermixed items

Igor Utochkin

Representing motion ensembles in early visual cortices

Gianluca Campana, Árni Kristjánsson, Rita Donato, Andrey Chetverikov

COFFEE BREAK – UNIVERSITY CAMPUS, CAFETERIA

15.30-16.00

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

16.00-17.30

EUROPEAN SYMPOSIUM ON PERCEPTION AND ACTION IN SPORT (ESPAS)

Organized by Mauro Murgia, Tiziano Agostini, Fabrizio Sors, Alessandra Galmonte

New directions in research on perceptual-cognitive expertise

Mark Williams

Perception and action in context

Rouwen Cañal-Bruland

Knowledge is power? The effect of probability information on response bias and discriminability between genuine and deceptive sport actions

Robin Jackson

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

16.00-17.30

PERCEPTUAL STRUCTURES – A FESTSCHRIFT FOR MICHAEL KUBOVY

Organized by Marco Bertamini

On the pleasures of canned laughter

Heiko Hecht, Andreas Baranowski

Music cognition and perceptual organization

Michael Schutz

Breakdown of contour interpolation

Laurence Maloney

Role of visual consciousness in perceptual organization

Ruth Kimchi

Perceptual structures in selfies

Nicola Bruno

Concluding remarks

Michael Kubovy

DEEP NEURAL NETWORKS: THE NEW BENCHMARK MODEL OF VISUAL OBJECT RECOGNITION

Organized by Astrid Zeman

Semantic category versus shape representation in deep neural networks and the ventral visual pathway

Astrid Zeman, J. Brendan Ritchie, Stefania Bracci, Hans Op de Beeck

Architecture matters: Training and structure both affect how well deep networks predict cortical representations of objects, places and faces

Katherine Storrs, Johannes Mehrer, Alexander Walther, Nikolaus Kriegeskorte

Using psychophysics to reveal face identification information processing mechanisms in a deep neural network

Tian Xu, Oliver Garrod, Robin Ince, Philippe Schyns

Improving DNNs as models of the human ventral stream: a better visual diet and recurrent computations

Tim Kietzmann, Nikolaus Kriegeskorte

Comparing humans and deep neural networks on visual shape judgments in cluttered images

Christina Funke, Thomas Wallis, Judith Borowski, Claudio Michaelis, Alexander Ecker, Matthias Bethge

Reproducing decision-making with constrained networks to understand deep neural networks

Judith Borowski, Wieland Brendel, Matthias Bethge

CROWDING

Chair: Andrew B. Watson

Using the Neurorobotics Platform to explain global processing in visual crowding

Alban Bornet, Alexander Kroner, Jacques Kaiser, Fedor Scholz, Gregory Francis, Michael H. Herzog

Too good to be crowded: A peculiar case of weak crowding with high target-flanker similarity

Natalia Melnik, Daniel R. Coates, Bilge Sayim

Visual crowding and focal attention: Psychophysical and neuropsychological evidence of a link

Roberta Daini, Andrea Albonico, Lisa Saskia Arduino, Emanuela Bricolo, Eleonora Frasson, Manuela Malaspina, Marialuisa Martelli

When uncrowding of parts interferes with identifying wholes in peripheral word recognition

Koen Rummens, Bilge Sayim

Is temporal crowding merely long-lasting masking?

Yaffa Yeshurun, Shira Tkacz-Domb

Seven myths on crowding

Hans Strasburger

BREAK

17.30-17.45

SPECIAL SYMPOSIUM – UNIVERSITY CAMPUS, AUDITORIUM (BUILDING H3)

17.45-19.15

EUROPEAN SYMPOSIUM ON PERCEPTION AND ACTION IN SPORT (ESPAS)

Organized by Mauro Murgia, Tiziano Agostini, Fabrizio Sors, Alessandra Galmonte

Fractional-order information in the visual control of locomotor interception

Reinoud Bootsma, Remy Casanova, Frank Zaal

Predictive visual-motor strategies developed by expert athletes when hitting a ball

David Mann

Coordinating interception and throwing actions using auditory information in the absence of vision

Matthew Rodger

TALK SESSION – UNIVERSITY CAMPUS, HALL 1A (BUILDING H3)

17.45-19.15

ART & SCENE PERCEPTION

Chair: Slobodan Marković

Both artworks and computer-generated images with equivalent physical properties evoke similar aesthetic subjective judgements

Vicente Estrada, Markus Müller, Anjan Chatterjee, Stacy Humphries

The importance of the Point de Vue - Looking on the ground and elsewhere

Dirk Junker, Christian Nollen

Maps of visual importance

Xi Wang, Kenneth Holmqvist, Marc Alexa

Anchor objects predict search performance in real-world scenes

Melissa Vo, Sage Boettcher, Dejan Draschkow

Set summary perception, outlier pop out, and categorization: A common underlying computation?

Shaul Hochstein, Noam Khayat, Marina Pavlovskaya, Yoram Bonneh, Nachum Soroker

TALK SESSION – UNIVERSITY CAMPUS, HALL 1B (BUILDING H3)

17.45-19.15

VISUAL SEARCH & BISTABLE PERCEPTION

Chair: David Burr

Effect of conscious awareness of distractors on reaction times to seen targets

Matilda Cederblad, Aleksandar Visokomogilski, Søren Andersen, Mary-Joan MacLeod, Arash Sahraie

Ultra-rapid detection of animal visual warning signals

Olivier Penacchio, Julie M. Harris

The preview benefit in easy and difficult color x form search

Günter Meinhardt, Sophie Lukes, Malte Persike

The hyperactivity of the magnocellular system and cognitive impairment in patients with the first-episode of schizophrenia

Elena Isaeva, Irina Shoshina, Yulia Simon, Yulianna Mukhitova, Alexander Khan`ko, Oleg Limankin

Pupillometry reveals perceptual differences that are tightly linked to autistic traits in typical adults

Paola Binda, Marco Turi, David C. Burr

Can I trust in what I see? - EEG evidence for reliability estimations of perceptual outcomes

Jürgen Kornmeier, Ellen Joos, Michael Bach, Ludger Tebartz van Elst

TALK SESSION – UNIVERSITY CAMPUS, HALL 2B (BUILDING H3)

17.45-19.15

MULTISENSORY & DECISION MAKING

Chair: Massimiliano Di Luca

Metacognitive control of sensory evidence accumulation

Tarryn Balsdon, Valentin Wyart, Pascal Mamassian

The influence of multitasking on confidence judgements

Mahiko Konishi, Clemence Compain, Jerome Sackur, Vincent de Gardelle

Lateral inhibition between evidence accumulators explains magnitude sensitivity in perceptual decision making

Angelo Pirrone, Sheng Li

Visual temporal representation elicits early responses in human auditory cortex

Maria Bianca Amadeo, Claudio Campus, Monica Gori

Temporal visual representation elicits early auditory responses in normal hearing but not in deaf individuals.

Monica Gori, Maria Bianca Amadeo, Chiara Valzolgher, Francesca Baruffaldi, Francesco Pavani, Claudio Campus

The space occupied by an invisible body: Peri-personal space as a coupling prior

Massimiliano Di Luca, Jean-Paul Noel, Majed Samad, Andrew Doxon, Justin Clark, Sean Keller