

# PROGRAM ECVP 2022 NIJMEGEN

	28 Aug '22		29 Aug '22				30 Aug '22				31 Aug '22				1 Sept '22				
08:30-09:30	Registration Erasmus Building		Registration Erasmus Building				Registration Erasmus Buidling				Registration Erasmus Buidling				Registration Erasmus Building				08:30-09:00
																			09:00-09:30
09:30-11:00	Tutorials TBA	Registration Erasmus building	Symp 1 MM	Symp 2 CC1	Talk Sess 1 CC2	Talk Sess 2 CC4	Symp 4 MM	Symp 5 CC1	Talk Sess 6 CC2	Talk Sess 7 CC4	Symp 8 MM	Symp 9 CC1	Talk Sess 14 CC2	Talk Sess 15 CC4	Symp 11 MM	Symp 12 CC1	Talk Sess 19 CC2	Talk Sess 20 CC4	09:30-10:00
11:00-12:30			Posters & Coffee Refter + Erasmus building + Culture Café				Posters & Coffee Refter + Erasmus building + Culture Café				Posters & Coffee Refter + Erasmus building + Culture Café				Posters & Coffee Refter + Erasmus building + Culture Café				10:00-10:30
12:30-14:00			Lunch break Refter				Lunch break Refter				Lunch break Refter				Lunch break Refter				10:30-11:00
14:00-15:30	Tutorials TBA	Registration Erasmus building	Symp 3 MM	Talk Sess 3 CC1	Talk Sess 4 CC2	Talk Sess 5 CC4	Symp 6 MM	Talk Sess 8 CC1	Talk Sess 9 CC2	Talk Sess 10 CC4	Symp 10 MM	Talk Sess 16 CC1	Talk Sess 17 CC2	Talk Sess 18 CC4	Symp 13 MM	Talk Sess 21 CC1	Talk Sess 22 CC2	Talk Sess 23 CC4	11:00-11:30
15:30-17:00			Posters & Coffee Refter + Erasmus building + Culture Café				Posters & Coffee Refter + Erasmus building + Culture Café				Posters & Coffee Refter + Erasmus building + Culture Café				Coffee break				11:30-12:00
17:00-18:30			Vista Lecture CC1 + CC4				Symp 7 MM	Talk Sess 11 CC1	Talk Sess 12 CC2	Talk Sess 13 CC4	Rank Lecture CC1 + CC4				Symp 14 MM	Talk Sess 24 CC1	Talk Sess 25 CC2	Talk Sess 26 CC4	12:00-12:30
18:30-20:00	Opening & Perception Lecture CC1 + CC4																		12:30-13:00
20:00-22:30	Reception Refter & Outside (Erasmusplein)						Demo & Illusion Night Huygens building				Conference dinner Stevens Church				Farewell party				13:00-13:30
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FOR DAY TO DAY  
SYMPOSIA/TALKS/POSTER PROGRAM  
SEE NEXT PAGES

## Sunday – August 28<sup>th</sup>

### Opening & Perception Lecture

18:30-20:00

Location CC1 / CC4 – chair Rob van Lier

#### **Gestalts in Vision**

***Johan Wagemans***

## Monday – August 29<sup>th</sup>

### Symposia

<b>Computational perspectives on perceptual confidence</b> 09:30-11:00 – organizers Laura Geurts & Janneke Jehee Location MM	
9:30	Reported confidence reflects representation of Bayesian probability in human visual cortex <i>Laura S. Geurts, James R.H. Cooke, Ruben S. van Bergen and Janneke F.M. Jehee</i>
9:45	Effects of prior information on subjective confidence <i>Marika Constant and Elisa Filevich</i>
10:00	Bayesian confidence in optimal decisions <i>Joshua Calder-Travis, Lucie Charles, Rafal Bogacz and Nick Yeung</i>
10:15	A low-dimensional approximation of optimal confidence <i>Pierre Le Denmat, Tom Verguts and Kobe Desender</i>
10:30	A generative model for visual confidence judgments <i>Pascal Mamassian</i>
10:45	General Discussion

<b>Visual expertise: real-life applications and underlying mechanisms</b> 09:30-11:00 – organizers Meike Ramon, Mauro Manassi Location CC1	
9:30	Human expertise for face identity processing - insights from Super-Recognizers <i>Meike Ramon</i>
9:45	Visual Expertise in Medical Image Perception <i>Karla Evans</i>
10:00	Visual expertise is not due to the lack of temporal biases in radiologists and super-recognizers. <i>Mauro Manassi</i>
10:15	The refinement of domain-specific neural representations through expertise <i>Hans Op de Beeck</i>
10:30	Neural correlates of mnemonic expertise <i>Martin Dresler</i>
10:45	Visual expertise across the primate order and the role of inferior temporal cortex <i>Jessica Taubert</i>

<b>Large-scale spatial vision</b> 14:00-15:30 – organizers Peter Neri, Michael Herzog Location MM	
14:00	What determines perception of an element? <i>Michael Herzog</i>
14:15	Visual symmetry perception, across space and time <i>Marco Bertamini, Alexis Makin and Giulia Rampone</i>
14:30	Apparent motion as a model for predictive feedback mediating long-range spatial integration <i>Petra Vetter</i>
14:45	The relationship between image-computable features and objecthood <i>Christoph Teufel</i>
15:00	Slow active representation of global scene layout impacts fast automatic reconstruction of local image structure <i>Peter Neri</i>
15:15	<i>General Discussion</i>

## Talk sessions

<b>Attention I</b> 09:30-11:00 – chair Nika Adamian Location CC2	
9:30	Visual lecture features and student engagement in asynchronous remote learning: the DAD Time Project <i>Federica Conte, Marco Petilli, Francesca Gasparini, Luisa Girelli, Emanuela Bricolo and Roberta Daini</i>
9:45	The role of transient attention in crowding and feature binding <i>Amit Yashar and Bahiyya Kewan-Khalayly</i>
10:00	A dual-process model of visual perspective taking: the role of others' intention. <i>Gabriele Pesimena, Parvin Begum and Alessandro Soranzo</i>
10:15	Predicting individual selection events during visual foraging <i>Alasdair Clarke, Anna Hughes and Amelia Hunt</i>
10:30	Multiple object tracking: effects of goal valence on allocation of attention <i>Andrea Frielink-Loing, Arno Koning and Rob van Lier</i>
10:45	Indexing spatial attention with pupillometry: a useful tool to detect pseudoneglect in healthy controls and diagnosing cerebral visual impairments <i>Christoph Strauch, Marnix Naber, Christophe Romein, Marlies Van Heijst, Stefan Van der Stigchel and Antonia F Ten Brink</i>

<b>Bistable Perception</b> 09:30-11:00 – chair Maartje de Jong Location CC4	
9:30	Kinetic-depth effect multistability persists when attention is distracted by an attention-demanding RSVP task <i>Malin Styrnal, Claus-Christian Carbon and Alexander Pastukhov</i>
9:45	Decision making in a dish: fundamental mechanisms of bistable visual information processing in mouse visual cortical brain slices <i>Richard van Wezel and Naoki Kogo</i>
10:00	The effect of short-term monocular deprivation depends on the duration of deprivation: evidence from binocular rivalry and binocular combination. <i>Antoine Prosper, Martina Pasqualetti, Maria Concetta Morrone and Claudia Lunghi</i>
10:15	Stable individual differences in hysteresis and adaptation: Evidence for differential use of stimulus history and perceptual history when perceiving multistable dot lattices <i>Eline Van Geert, Pieter Moors, Julia Haaf and Johan Wagemans</i>
10:30	How to form perceptual memory of multistability: Bias perception but gently <i>Lisa Koßmann, Claus-Christian Carbon and Alexander Pastukhov</i>
10:45	Task-relevance of a featural dimension strengthens interocular grouping along this dimension in binocular rivalry <i>Marek A. Pedziwiatr, Monika Derda and Christoph Teufel</i>

<b>Multisensory Perception</b> 14:00-15:30 – chair Olympia Colizoli Location CC1	
14:00	Structural and functional network-level reorganization in the coding of auditory motion directions and sound source locations in the absence of vision <i>Ceren Battal, Ane Gurtubay-Antolin, Stefania Mattioni, Chiara Maffei, Jorge Jovicich and Olivier Collignon</i>
14:15	Touching black and white <i>Tiziano Agostini, Raffaella Ferrari, Mauro Murgia, Fabrizio Sors and Alessandra Galmonte</i>
14:30	Not all torques are created equal: how vision and intuitive physics guide our grasping behaviour <i>Guido Maiello, Frieder Hartmann, Dimitris Voudouris, Constantin Rothkopf and Roland Fleming</i>
14:45	Vestibular contribution to visual target localisation <i>Silvia Zanchi, Luigi F. Cuturi, Giulio Sandini, Monica Gori and Elisa R. Ferrè</i>
15:00	The instantaneous impact of a visuo-proprioceptive conflict on the localization of tactile sensations <i>Robert Volcic and Mariam Amer</i>
15:15	Common neuronal assemblies integrate emotion expressions from the face and the voice <i>Francesca M. Barbero, Siddharth Talwar, Roberta P. Calce, Bruno Rossion and Olivier Collignon</i>

<b>Face Perception</b> 14:00-15:30 – chair Claus-Christian Carbon Location CC2	
14:00	Mooney Face Image Processing in Deep Convolutional Neural Networks Compared to Humans <i>Astrid Zeman, Tim Leers and Hans Op de Beeck</i>
14:15	7T fMRI mapping of the visual-word form area relative to other category-selective areas on the surface and in representational space <i>Ineke Pillet, Begüm Cerrahoğlu, Roxane V. Philips, Serge O. Dumoulin and Hans Op de Beeck</i>
14:30	Optimizing face identification performance: The influence of base rates and payoffs <i>Catherine Mondloch, Vincent Stabile and Kristen Baker</i>
14:45	Individuals with ASD show an increased influence of body posture on facial expression perception <i>Abi Finn, Punit Shah, Stephan de la Rosa, Christoph Teufel and Elisabeth von Dem Hagen</i>
15:00	Neural representations for dynamic and subtle facial expressions <i>Viljami Salmela and Ilkka Muukkonen</i>
15:15	Electrophysiological markers of face processing and predictive coding and the uncanny valley <i>Alexander Diel and Michael Lewis</i>

<b>Perception &amp; Action I</b> 14:00-15:30 – chair Katja Fiehler Location CC4	
14:00	Object-based active inference <i>Ruben van Bergen and Pablo Lanillos</i>
14:15	Can you follow your friends? Ensemble perception vs. selective attention in human crowds <i>William Warren and Meghan Willcoxon</i>
14:30	Eye-hand interaction in anisotropic depth perception <i>Oliver Toskovic</i>
14:45	Phasic alerting effects on the Trail-Making-Test <i>Niklas Dietze, Lukas Recker and Christian Poth</i>
15:00	Virtual occlusion effects on the perception of self-initiated visual stimuli <i>Fabian Kiepe and Guido Hesselmann</i>
15:15	Are interaction movements smoother in Mixed Reality than in Virtual Reality? <i>Manuela Chessa, Lorenzo Gerini and Fabio Solari</i>

<b>Vista Lecture</b> 17:00-18:30 Location CC1 / CC4 – chair Tessa van Leeuwen
<b>How AI can advance research in visual perception</b>  <i>Marcel van Gerven</i>

## Poster sessions

#	Face Perception - I <i>Location Refter / Erasmus building</i>
1	Face masks undermine first-glance affective responses to emotional facial displays <i>Marius H. Raab, Malin Styrnal, Yair Amichai-Hamburger, Alexander Pastukhov and Claus-Christian Carbon</i>
2	The effect of face outline size, face components sizes, and spacing between face components on Flashed Face Distortion Effect <i>Enzhen Zhang and Woo Hyun Jung</i>
3	What makes humans detect a face? <i>Sule Tasliyurt Celebi, Benjamin de Haas and Katharina Dobs</i>
4	Excluded developmental prosopagnosia cases exhibit impairments in face processing <i>Edwin Burns, Elizabeth Gaunt, Betiel Kidane, Lucy Hunter and Jaylea Pulford</i>
5	The Episodic Prototypes Model (EPM): On the nature and genesis of facial representations based on a face-verification-task <i>Tobias Matthias Schneider and Claus-Christian Carbon</i>
6	The Effects of Negative Emotions on Mental Representation of Faces <i>Fabiana Lombardi, Paul Sowden, Claire Ancient and Daniel Gill</i>
7	Edges and Shading: Critical cues accounting for the horizontal tuning of face identification <i>Hélène Dumont, Valérie Goffaux and Alexia Roux-Sibilon</i>
8	Let's face reality—test-based face recognition and real-life eyewitness identification in children and adults <i>Katharina Limbach, Alexander Diel and Sarah Weigelt</i>
9	The development of personally familiar face recognition during childhood <i>Sarah Laurence, Claire Matthews, Fallon Lewis-Dennis and Cathy Mondloch</i>
10	Recognising Older and Younger Faces: Mixed Evidence for an Ageing Asymmetry Effect <i>Laura Sexton, Ailsa Strathie, Graham Hole, Mila Mileva and Sarah Laurence</i>
11	An inconvenient association between familiarity and distinctiveness ratings of familiar faces <i>Christel Devue</i>
12	Effects of fusion and unreliable AI on face matching <i>Angie Ng</i>
13	Facial features stored in visual working memory revealed using classification images <i>Crista Kuuramo and Ilmari Kurki</i>
14	Think of concealing your identity? Wearing face masks has a different effect from wearing sunglasses <i>Charles C.-F. Or, Kester Y.J. Ng, Denise Y. Lim and Alan L.F. Lee</i>

#	Attention – I <i>Location Refter / Erasmus building</i>
15	The timecourse of dividing attention: The influence of culture and bilingualism. <i>Lisa Jefferies and Jiyun Mun</i>
16	Motion as a game-changer? Attention bias in spider phobics for moving spiders: a visual search task <i>Miriam Becker and Anke Haberkamp</i>
17	Attentional capture as a function of target and distractor eccentricity <i>Elle van Heusden, Mieke Donk and Christian N.L. Olivers</i>

18	Is pupil-linked arousal a marker of model violation but not model update? <i>Hamit Basgol, Peter Dayan and Volker Franz</i>
19	Discovering boundary conditions of attention state affecting object recognition <i>Charlotte de Blecourt, Eric Maris and Marius Peelen</i>
20	Attentional guidance by spatially global versus spatially specific search templates <i>Mikel Jimenez and Anna Grubert</i>
21	The Costs of Overt and Covert Shifts of Attention: A Pupillometry Study <i>Damian Koevoet, Marnix Naber, Christoph Strauch and Stefan Van der Stigchel</i>
22	The causal role of parietal alpha activity in coding spatial and feature-selective attention: A concurrent TMS-EEG study <i>Runhao Lu, Elizabeth Michael, Jade Jackson, Catriona Scrivener, John Duncan and Alexandra Woolgar</i>
23	Object-based spread of attention affects fixation duration during free viewing <i>Flora Marleen Muscinelli, Nicolas Roth, Olga Shurygina, Klaus Obermayer and Martin Rolfs</i>
24	Cognitive load has no influence on Interference during emotion-Induced blindness <i>Shraddha Matkar and Divita Singh</i>
25	The effect of perceived hand location on hand proximity attention <i>Satoshi Shioiri, Kyosuke Iwai, Chia-Huei Tseng, Yasuhiro Hatori</i>

#	Research methods <i>Location Refter / Erasmus building</i>
26	A Comparison of Equivalent Noise Methods in Investigating Form/Motion Integration <i>Seyma Koc Yilmaz, Adriano Contillo, Louise O'Hare, Hulusi Kafaligonul, Rita Donato and Andrea Pavan</i>
27	EEG Source Localisation Using esinet, an Artificial Neural Networks-based Method <i>Moritz Maschke, Lukas Hecker, Ludger Tebartz van Elst and Jürgen Kornmeier</i>
28	Modeling of fixation durations during EEG analysis <i>René Skukies and Benedikt Ehinger</i>
29	The Forest Predicts The Tree: Investigating Spatial Predictive Context with Rapid Invisible Frequency Tagging (RIFT) <i>Floortje Bouwkamp, Floris de Lange and Eelke Spaak</i>
30	Measuring unconscious visual perception <i>Jan Drewes, Yu Zeng, Liu Wuqiao and Weina Zhu</i>
31	AIM+(Angular Indication Measurement Plus) enables rapid and self-administered assessment of visual perception dependency across multiple stimulus dimensions <i>Jan Skerswetat and Peter Bex</i>
32	Vernier acuity and its interplay with reading in (pre)school children—a multimethod online approach <i>Helen Schneider, Katharina Limbach and Sarah Weigelt</i>
33	Visual image and category information in monkey EEG and human MEG <i>Jan K. Schluesener, Malav Shah, Florian Sandhaeger, Constantin von Nicolai and Markus Siegel</i>
34	DOS: a parameter-free model-free adaptive procedure to quantify perception <i>Julien Audiffren and Jean-Pierre Besciani</i>

#	Shape Perception <i>Location Refter / Erasmus building</i>
35	Local & Non-Local Factors in Perceptual Shape Completion <i>Tenzin Chosang, Keyi Liu and James Elder</i>
36	Human responses to the relationships between object shapes and moving directions <i>Akira Asano, Hana Morihiro and Chie Muraki Asano</i>
37	Source Reconstruction of the ERP Uncertainty Effects reveals common Neural Mechanisms for different Stimulus Categories <i>Lukas Hecker, Ellen Joos, Kriti Bhatia, Bernd Feige, Simon Maier, Ludger Tebartz van Elst and Jürgen Kornmeier</i>
38	Perception of natural object shape deteriorates with increasing cognitive load <i>Jessica Dukes and Jutta Billino</i>
39	Spatial and temporal summation drive the perception of complex Glass patterns <i>Marco Roccato, Gianluca Campana, Rita Donato and Andrea Pavan</i>
40	Introspective visual experience in shape recognition near the acuity threshold <i>Sven P. Heinrich and Helena V. Frank</i>

#	Perception & Action – I <i>Location Refter / Erasmus building</i>
41	The Effect of Color Cues on Eye-Hand Coordination Training <i>Zeynep Acırlı, Zainab Alrubaye, Anıl Ufuk Batmaz and Banu Manav</i>
42	Biased Representation of Body Postures <i>Qiu Han, Marco Gandolfo and Marius Peelen</i>
43	Effects of visual–motor synchronicity between the avatar and self on remapping of peripersonal space <i>Sachiyo Ueda, Li He, Harin Hapuarachchi and Michiteru Kitazaki</i>
44	Measuring complex interactions between hands and objects during visually-guided multi-digit grasping <i>Frieder Hartmann, Guido Maiello, Constantin A. Rothkopf and Roland W. Fleming</i>
45	Visual and haptic control of grasping changes in the object proximity <i>Ivan Camponogara and Robert Volcic</i>
46	Linking the time course of visual feature coding to behaviour <i>Tijl Grootswagers, Amanda Robinson, Sophia Shatek and Thomas Carlson</i>
47	Continuous tracking as a probe for perceptual motion extrapolation <i>Luca Lo Verde, David Charles Burr and Guido Marco Cicchini</i>
48	Examining sense of agency in the jittery temporal interval between gaze shift and visual feedback using gaze-contingent multiresolution display <i>Junhui Kim and Takako Yoshida</i>
49	The impact of visual discomfort of floor patterns on human gait kinematics <i>Greig Dickson, Evgeniya Anisimova, Jeremy Burn and Ute Leonards</i>
50	Guiding a cursor to a target: frame rates and delays <i>Eli Brenner, Chris A G van Straaten, A Julia de Vries, Tobias R D Baas, Kirsten M Bröring and Jeroen B J Smeets</i>



#	Eye movements – I <i>Location Refter / Erasmus building</i>
51	Saccade kinematics reflect object-based attention in realistic but not in simplified stimuli <i>Olga Shurygina and Martin Rolfs</i>
52	What you see affects where you look next: Current foveal inspection and previous peripheral preview influence the when and where of subsequent eye movement decisions <i>Christian Wolf, Artem V. Belopolsky and Markus Lappe</i>
53	Cross-cultural differences in strategies of complex images visual search <i>Georgy Blinnikov, Maria Rabeson and Irina Blinnikova</i>
54	Where do we look when walking on stairs in the real world <i>Andrea Ghiani, Joost G. Driessen, Liz R. Van Hout and Eli Brenner</i>
55	Investigating non-verbal bids of attention with a virtual human: an online study of gaze. <i>Clíona Kelly, Dr Ulysses Bernardet, Dr Johanna Zumer, Professor Tim Meese and Professor Klaus Kessler</i>
56	Seeing the Forrest through the trees: Oculomotor metrics are linked to heart rate <i>Alex J. Hoogerbrugge, Christoph Strauch, Zoril A. Oláh, Edwin S. Dalmaijer, Tanja C. W. Nijboer and Stefan Van der Stigchel</i>
57	The adaptability of the Functional Field of View to task difficulty in a gaze-contingent search paradigm: a registered abstract <i>Sofia Krasovskaya, Árni Kristjánsson and W. Joseph MacInnes</i>
58	How infants use their parent's nonverbal behavior to anticipate turns in conversation <i>Niilo Valtakari, Ignace Hooge, Chantal Kemner and Roy Hessels</i>
59	Using individual differences to understand saccade-pursuit interactions <i>Alexander Goettker and Karl R. Gegenfurtner</i>
60	Oculomotor routines for perceptual judgements <i>Avi Aizenman, Alexander Goettker and Karl Gegenfurtner</i>

#	Surface & Texture <i>Location Refter / Erasmus building</i>
61	Cross-modal Effects of Turkish Onomatopoeic Words on Perceived Material Softness <i>Beyza Melis Hazir, Fatma Hazir and Dicle Kilic</i>
62	Optical and perceptual characterization of glossiness for hazy surfaces <i>Stijn Beuckels, Peter Hanselaer, Jan Audenaert and Frédéric B. Leloup</i>
63	Consistent and predictable variations in gloss discrimination across viewing conditions <i>Jacob R. Cheeseman, James A. Ferwerda, Takuma Morimoto and Roland W. Fleming</i>
64	The Effect of Different Quantities of Bubbles in the Glaze Layer of White Porcelain on the Impression Rating of Surface Visibility <i>Rumi Tokunaga and Kaoru Otsuka</i>
65	How Prior Visual Information Affects Exploratory Movement Direction in Texture Perception as a Function of Information Quality and Task Difficulty <i>Michaela Jeschke, Aaron Zöller and Knut Drewing</i>
66	Evidence of a continuous transition between modal and amodal completions <i>Tom Scherzer</i>
67	The similarity space of fictional materials. <i>Maarten Wijntjes, Yuguang Zhao and Jan Jaap van Assen</i>
68	Spatial tiling for shape segmentation <i>Garance Merholz, Árni Kristjánsson and David Pascucci</i>

#	Illusions <i>Location Refter / Erasmus building</i>
69	The Effect of Line segment's connectivity on Neon color and texture spreading <i>Yeonji Kim and WooHyun Jung</i>
70	Body size illusions caused by polka-dot dresses <i>Kazunori Morikawa, Akitoshi Tomita and Ryoma Katsuki</i>
71	Does induced depth contribute to the Dynamic Ebbinghaus illusion? <i>Saki Takao, Katsumi Watanabe, Ryan Mruczek, Gideon Caplovitz and Patrick Cavanagh</i>
72	The existence and absence of the perceptual set effect in the task with visual illusions <i>Valeriia Karpinskaia, Vsevolod Lyakhovetskii and Kirill Rusin</i>
73	Exploring changes in temporal contrast and perceived size. <i>Daniel Gramm Kristensen, Sofie Engbjerg Christensen and Thomas Alrik Sørensen</i>
74	Why are mountains often higher than they look? <i>Vebjørn Ekroll and Rob Van Lier</i>
75	Towards an understanding of the Shepard tabletop illusion <i>Saman Kamari Songhorabadi, Philippe A. Chouinard, Bianca Maria Monti, Margherita Piazza, Debra Griffiths and Irene Sperandio</i>
76	Stimulus duration differentially effects the duration and direction of the illusory motion in the Motion Bridging Effect: Evidence for two underlying processes. <i>Lotta Ottensmeyer, Robert Fendrich and Uwe Mattler</i>
77	Illusory contours evoke, and filling elements reinforce the expansion of the perceived size <i>Algis Bertulis-Čerkelis, Arūnas Bielevičius, Irena Česnavičienė, Lina Mickienė and Tadas Surkys</i>
78	The perceived size of visual objects defined by texture boundaries. <i>Arunas Bielevicius, Algis Bertulis, Ruta Insodaite, Vilius Marma and Roberta Poceviciute</i>
79	The effect of thickness and contrast of the induced line on orientation perception of subjective contour in the Zöllner illusion <i>Jiyeon Jung and Woo Hyun Jung</i>
80	The effect of elliptical contour and inner grating on orientation perception <i>Myung Seob Lee and Woo Hyun Jung</i>
81	The effect of motion direction of surrounding stimuli and ratio of moving dots on the tilt illusion <i>Yongshin Jo and Woo Hyun Jung</i>
82	The Effect of the shape of a frame on rod-frame illusion <i>Ka Ram Bhan and Woo Hyun Jung</i>
83	Effect of implied motion in pictograms on perceived presentation duration <i>Erika Tomimatsu, Gerard B. Remijn and Hiroyuki Ito</i>

#	Multisensory Perception <i>Location Refter / Erasmus building</i>
84	Auditory pitch modulation of binocular rivalry <i>Kosuke Yamamoto and Satoshi Shioiri</i>
85	Characterizing auditory and visual motion processing and integration in hMT+/V5 and Planum Temporale with ultra-high-field fMRI (7T). <i>Marco Barilari, Remi Gau, Ceren Battal and Olivier Collignon</i>
86	Summation of auditory and visual speech in upright and inverted faces

	<i>Ilmari Kurki, Tarja Peromaa and Kaisa Tiippana</i>
87	Visual and vestibular stimulation interact in time perception
	<i>Nariman Utegaliyev, Christoph von Castell and Heiko Hecht</i>
88	Effects of perceptual regularity and crossmodal audiovisual congruency in perceived fit and pleasantness
	<i>Hoshe Lee, Arno Koning and Rob Van Lier</i>
89	Modulation of perception by visual, auditory and audiovisual reward predicting cues
	<i>Jessica Emily Antono and Arezoo Pooresmaeili</i>
90	Combining Visual and Haptic Cues in Weight Perception
	<i>Olaf Kristiansen, Meike Scheller, Stacey J. Aston and Marko Nardini</i>
91	Behavioural relevance of haptic processing of object size in the primary visual cortex
	<i>Simona Monaco, Domenico Dal Monte, Fabio Del Giudice, Laura Caleca, Federica Danaj, Samantha Sartin and Irene Sperandio</i>
92	Auditory Localization Performance can be Enhanced by both Visual and Audiovisual Short-term Training
	<i>Didem Katircilar, Simge Merve Vit, Nergis Birasoglu, Dilara Deniz Turk and Funda Yildirim</i>

Tuesday – August 30<sup>th</sup>

Tuesday – August 30<sup>th</sup>

## Symposia

<b>Cortical Circuitry Mapping using Connective Field Modelling (CFM) in perception and ophthalmic and neurologic disease</b> 09:30-11:00 – organizer Frans Cornelissen Location MM	
9:30	Introduction to Connective Field modelling and its application in perception and ophthalmic and neurologic disease <i>Frans Cornelissen</i>
9:45	Extrastriate visual cortex contains multiple somatosensory homunculi <i>Tomas Knapen and Nicholas Hedger</i>
10:00	Convergence along the visual hierarchy for explaining Complex Visual Dysfunctions: the Posterior Cortical Atrophy Model <i>Netta Levin</i>
10:15	Primary open angle glaucoma is associated with connective field changes in early visual cortex <i>Azzurra Invernizzi, Joana Carvalho, Joana Martins, Nomdo Jansonius, Remco Renken and Frans Cornelissen</i>
10:30	Next-generation Connective Field Modeling <i>Ron van de Klundert, Nicholas Hedger and Tomas Knapen</i>
10:45	Connectopic mapping and spatial statistical analysis for understanding individual differences in topographic brain organisation. <i>Koen Haak</i>

<b>Perception and (inter)actions in the real world and XR: Virtually the same or really different?</b> 09:30-11:00 – organizers Constanze Hesse, Martin Giesel Location CC1	
9:30	Using virtual and real environments to study tool use: virtually identical, or really different? <i>Simon Watt</i>
9:45	Proximity in virtual reality: Using social behaviour to study perception of virtual characters <i>Katja Zibrek</i>
10:00	Grasping the Virtual World <i>Gavin Buckingham and Caitlin Naylor</i>
10:15	Sensorimotor prediction in virtual object interaction <i>Katja Fiehler</i>
10:30	Visual perception and grasping of virtual and augmented objects in mixed reality <i>Manuela Chessa</i>
10:45	Genral Discussion

<b>ToddFest: Perception of 3D Shape, Space, and Materials Celebrating 43 Years of Jim Todd</b> 14:00-15:30 – organizers William Warren, Ennio Mingolla, Jan Koenderink Location MM	
14:00	Geometry, Jim Todd, and me <i>Jan Koenderink</i>
14:15	Before Shape: A Prehistory of the Work of Jim Todd <i>Flip Phillips</i>
14:30	Illuminating Lessons from Jim Todd about How We Perceive Optical Structures <i>Joe Lappin</i>
14:45	shape - space - material - light interactions <i>Sylvia Pont</i>
15:00	Aging and the perception of shape, material, and environmental distance <i>J. Farley Norman</i>
15:15	Visual information about 3D shape from luminance curvature <i>James Todd</i>

<b>Multistable perception: when and how bottom-up and top-down interact?</b> 17:00-18:30 – organizers Alexander Pastukhov, Jürgen Kornmeier Location MM	
17:00	Introduction to multistable perception: when and how bottom-up and top-down interact? <i>Alexander Pastukhov, Jürgen Kornmeier</i>
17:15	Spread the word: Perceptual switches propagate new state within spatial surround <i>Alexander Pastukhov</i>
17:30	Computational modeling and neuro-navigated TMS reveal an active role of inferior frontal cortex in resolving sensory ambiguity. <i>Veith Weinhhammer</i>
17:45	Intracranial recordings in human visual cortex during binocular rivalry <i>Maartje C. de Jong, Mariska Vansteensel, Raymond van Ee, Frans S. S. Leijten, Nick F. Ramsey, H. Chris Dijkerman, Serge O. Dumoulin and Tomas Knapen</i>
18:00	Spontaneous Necker-cube Reversals are not that Spontaneous – An EEG Study <i>Mareike Wilson, Lukas Hecker, Ellen Joos, Ludger Tebartz van Elst and Jürgen Kornmeier</i>
18:15	General Discussion

## Talk sessions

<b>Perceptual Organisation</b> 09:30-11:00 – chair Ruth Kim Location CC2	
9:30	Mental Contour Tracing in a Neurodynamical Thalamo-Cortical Model of Attentional Binding <i>Daniel Schmid and Heiko Neumann</i>
9:45	What do monkeys see behind the occluder? <i>Thomas Cherian and S.P. Arun</i>
10:00	The Frame Effect <i>Patrick Cavanagh, Stuart Anstis, Matteo Lisi, Mohammad Shams-Ahmar and Mark Wexler</i>

10:15	fMRI evidence of an orientation-invariant response to regularity in the human ventral visual stream
	<i>Elisa Zamboni, Alexis Makin, Marco Bertamini and Antony Morland</i>
10:30	Underestimation of the number of occluded objects reveals limitations of perceptual completion
	<i>Hui Men, Anna Altin and Alexander C. Schütz</i>
10:45	SPN (microvolts) = -1.669(W) -0.416(Task) + 0.071
	<i>Alexis Makin, Marco Bertamini, John Tyson-Carr and Giulia Rampone</i>

<b>Perceptual Decision making</b> 09:30-11:00 – chair Andrey Chetverikov Location CC4	
9:30	Abstract neural choice signals during action-linked decisions
	<i>Florian Sandhaeger, Nina Omejc, Anna-Antonia Pape and Markus Siegel</i>
9:45	Effects of a contextual probabilistic bias on visual motion perception and eye movements
	<i>Anna Montagnini</i>
10:00	Scene representations and categorization reaction times correlate in a time-window between 100 and 200 ms
	<i>Agnessa Karapetian, Antoniya Boyanova, Muthukumar Pandaram, Klaus Obermayer, Tim Kietzmann and Radoslaw Cichy</i>
10:15	Catecholaminergic neuromodulation and selective attention jointly shape visual perceptual decision making
	<i>Stijn Nuiten, Jan-Willem De Gee, Johannes Fahrenfort and Simon van Gaal</i>
10:30	The effects of attentional suppression on sequential perceptual decisions
	<i>Christian Houborg, David Pascucci and Árni Kristjánsson</i>
10:45	Updating contextual visual expectations
	<i>Ambra Ferrari, David Richter and Floris P. de Lange</i>

<b>Temporal processing</b> 14:00-15:30 – chair Pascal Mamassian Location CC1	
14:00	Intentional binding – Is it just causal binding? (A replication study of Suzuki et al., 2019)
	<i>Michael Wiesing and Eckart Zimmermann</i>
14:15	Visual integration plays a critical role when processing motion through periods of occlusion
	<i>Lina Teichmann, Austin K. Behel, Grace Edwards and Chris Baker</i>
14:30	Manipulating stimulus recognition via visual crowding shortens perceived duration
	<i>Alina Krug, Lisa Eberhardt and Anke Huckauf</i>
14:45	Rhythms of sensory representations
	<i>Laurie Galas, Ian Donovan and Laura Dugué</i>
15:00	The spatio-temporal organization of alpha brain oscillations shape visual perception across the retinotopic space
	<i>Camille Fakche, Laurie Galas and Laura Dugué</i>
15:15	Neuronal pattern similarities underlie stable visual perception in the human visual cortex
	<i>Rotem Broday-Dvir, Yitzhak Norman and Rafael Malach</i>

<b>Perceptual memory &amp; learning</b> 14:00-15:30 – chair Katherine Storrs Location CC2	
14:00	The Relationship between Shape Features, Naturalness Perception and Visual Memory <i>Funda Yildirim and Nazli Konukoglu</i>
14:15	Individual differences in face identification performance: Can matching predict face learning efficiency? <i>Kristen A. Baker, Vincent J. Stabile and Catherine J. Mondloch</i>
14:30	A matter of availability: neural representations of task-relevant stimulus features are sharper when stimuli are memorized rather than perceived. <i>Samson Chota, Surya Gayet, Leon J. Kenemans, Chris N.L. Olivers and Stefan van der Stigchel</i>
14:45	Electrophysiological Markers of the probability cueing suppression: statistical learning of distractor locations and inter-trial modulation <i>Nan Qiu, Fredrik Allenmark, Hermann J. Müller and Zhuanghua Shi</i>
15:00	Visual guessing as counterfactual metacognition <i>Caroline Myers, Emily Sanford, Chaz Firestone and Justin Halberda</i>
15:15	Conceptual associations generate sensory expectations throughout the visual system <i>David Richter, Floris de Lange and Chuyao Yan</i>

<b>Attention II</b> 14:00-15:30 – chair Sabrina Hansmann-Roth Location CC4	
14:00	Temporal and organisational parameters of preparatory search template activation <i>Anna Grubert, Ella Williams and Martin Eimer</i>
14:15	Asymmetric learning of dynamic spatial regularities in visual search: facilitation of anticipated target locations, no suppression of predictable distractor locations <i>Hao Yu, Fredrik Allenmark, Hermann J. Müller and Zhuanghua Shi</i>
14:30	Dynamic behavioural and physiological measures of audience immersion in film and television <i>Hugo Hammond, Michael Armstrong, Graham Thomas and Iain Gilchrist</i>
14:45	Examining the relationships between internal noise and different types of attention <i>Felipe Luzzardo and Yaffa Yeshurun</i>
15:00	The influence of task-relevance and awareness on reward-driven attentional capture <i>Markus Grüner and Ulrich Ansorge</i>
15:15	When do we find a third neural response to visual symmetry? <i>John Tyson-Carr, Marco Bertamini, Giulia Rampone, Andrew Jones and Alexis Makin</i>

<b>Colour</b> 17:00-18:30 – chair Sunčica Zdravković Location CC1	
17:00	Projective Colorimetry <i>David Alleysson</i>
17:15	Large-scale color biases in the retinotopic functional architecture are shared across human brains <i>Michael Bannert and Andreas Bartels</i>
17:30	Seeing colour for the first time: color perception in achromatopsia patients following gene augmentation therapy <i>Ayelet McKyton, Eyal Banin and Netta Levin</i>

17:45	Linear additivity of chromatic and achromatic inputs in primary visual cortex <i>Rebecca Lowndes, Richard Aveyard, Lauren Welbourne, Andre Gouws, Alex Wade and Antony Morland</i>
18:00	The colours of images preferred by individual voxels delineate visually responsive brain areas <i>Jenny Bosten, Ian Penneck, Chris Racey, Emily Allen, Yihan Wu, Thomas Naselaris, Kendrick Kay and Anna Franklin</i>
18:15	Effects of the directional and spectral distribution of daylight on colour gradients <i>Cehao Yu, Maarten Wijntjes, Elmar Eisemann and Sylvia Pont</i>

<b>Object Perception I</b> 17:00-18:30 – chair Floris de Lange Location CC2	
17:00	Visual transients improve object recognition of CNNs in sketches but not in natural images <i>Lynn Schmittwilken, Nico Kestel and Marianne Maertens</i>
17:15	Neural model for the responses of IT neurons during anorthoscopic perception <i>Martin A. Giese, Anna Bognar and Rufin Vogels</i>
17:30	Emergence of topographic organization in a non-convolutional deep neural network <i>Adrien Doerig, Bas Krahmer, Victoria Bosch and Tim C Kietzmann</i>
17:45	Category-orthogonal object features guide information processing in recurrent neural networks trained for object categorization <i>Sushrut Thorat, Giacomo Aldegheri and Tim Kietzmann</i>
18:00	Organization of object space in human occipitotemporal cortex <i>Elahe Yargholi and Hans Op de Beeck</i>
18:15	How do children view the world? The temporal dynamics of visual perception in preschool age children <i>Sophia Shatek, Genevieve Quek, Selene Petit and Thomas Carlson</i>

<b>Eye Movements</b> 17:00-18:30 – chair Jeroen Goossens Location CC4	
17:00	Eye contact avoidance in crowds: A large wearable eye-tracking study. <i>Roy Hessels, Jeroen Benjamins, Diederick Niehorster, Andrea van Doorn, Jan Koenderink, Gijs Holleman, Yentl de Kloe, Niilo Valtakari, Sebas van Hal and Ignace Hooge</i>
17:15	Investigating spatial navigation using a graph theoretical analysis of eye tracking data recorded in virtual reality <i>Jasmin L. Walter, Vincent Schmidt, Lucas Essmann, Sabine König and Peter König</i>
17:30	Continuous visual tracking performance is strongly influenced by stimulus contrast, type of pursuit, and age <i>Minke de Boer, Anne Vrijling, Remco Renken, Jan-Bernard Marsman, Alessandro Grillini, Carlo Enrico Petrillo, Joost Heutink, Nomdo Jansonius and Frans Cornelissen</i>
17:45	A bias in transsaccadic perception of spatial frequency changes <i>Nino Sharvashidze, Carolin Hübner and Alexander C. Schütz</i>
18:00	Separate mechanisms for saccadic contrast and motion suppression <i>Eckart Zimmermann and Jo Lange</i>
18:15	Auditory contributions to visually-guided eye and hand movements <i>Anna Schroeger, Philipp Kreyenmeier, Markus Raab, Rouwen Cañal-Bruland and Miriam Spering</i>



Poster sessions

#	Object Perception <i>Location Rafter / Erasmus building</i>
1	Characterizing natural image processing in dorsal and ventral areas using fMRI: A Pilot Study <i>Alireza Karami, Hamed Karimi, Marius Peelen and Manuela Piazza</i>
2	Analyses of the neural population dynamics during human object vision reveal two types of representational echoes that reverberate across the visual system. <i>Philip Sulewski, Peter König, Nikolaus Kriegeskorte and Tim C. Kietzmann</i>
3	Electrophysiological correlates of familiar size. <i>Irene Sperandio and Juan Chen</i>
4	Task-independent allocentric representation of symmetry using polygons <i>Elena Karakashevska, John Tyson-Carr, Giulia Rampone, Marco Bertamini and Alexis Makin</i>
5	Analyzing and Increasing the Similarity of Humans and Deep Convolutional Neural Networks in Object Recognition <i>Leonard van Dyck, Sebastian Denzler and Walter Gruber</i>
6	Why there are no mind-independent objects <i>Michael Herzog</i>
7	The Impact of Anchor Objects on Scene Affordance Understanding <i>Lea Alexandra Müller Karoza, Sandro Luca Wiesmann and Melissa Le-Hoa Vo</i>
8	What kinds of THINGS are SSVEPs (not) measuring? <i>Hélène Devillez, Bjorg Kara Elefsen, Lara Margret Palsdottir, Isabella Sigurdardottir, Martin N. Hebart and Heida Maria Sigurdardottir</i>
10	The role of action-related properties in shaping the object space in the biological and artificial brain <i>Davide Cortinovis, Hans Op de Beeck and Stefania Bracci</i>

#	Perceptual Organisation <i>Location Rafter / Erasmus building</i>
11	A model of 3D surface ownership assignment <i>Masayuki Kikuchi and Shunta Ishikawa</i>
12	A Neurodynamic Model of the Role of Accentuation in Figure-ground Segregation <i>Dražen Domijan and Mateja Marić</i>
13	Spatio-temporal anisotropies in summary statistics <i>Natalia Tiurina, Yuri Markov, David Whitney and David Pascucci</i>
14	Visual Perception of Bouncing and Jumping <i>Giulia Parovel, Loris Brunello and Michele Vicovaro</i>
15	Perception of node-link diagrams: the effect of layout on the perception of graph properties <i>Marco Bertamini, Elektra Kypridemou and Michele Zito</i>
16	Effect of Interocular Grouping Demands on Binocular Rivalry <i>Janine D. Mendola, Eric Mokri and Jason Da Silva Castanheira</i>

#	Perceptual Decision Making <i>Location Rafter / Erasmus building</i>
17	Abstract neural choice signals in the presence of consistent choice-action associations <i>Katrina Rose Quinn, Nima Noury, Florian Sandhäger and Markus Siegel</i>
18	Effects of expected dynamic material properties on perceptual decision making

	<i>Huseyin Boyaci, Amna Malik and Katja Doerschner</i>
19	Serial dependence by mental imagery
	<i>Gizay Ceylan and David Pascucci</i>
20	Reproduction, but not confidence, can dissociate conscious perception from non-perceptual bias
	<i>Nicolás Sánchez-Fuenzalida, Simon van Gaal, Steve Fleming, Julia Haaf and Johannes Fahrenfort</i>
21	Visual serial dependence is an assimilative effect between responses not stimuli
	<i>Geoff Gallagher and Christopher Benton</i>
22	Sub-second dynamics of precision and confidence following voluntary shifts of spatial attention
	<i>Samuel Recht, Jonathan Vacher, Niko A. Busch and Laura Dugué</i>
23	Central EEG components P2 and P4 are sensitive to differentiating between bistable and unambiguous kinetic-depth effect displays
	<i>Alexander Pastukhov and Claus-Christian Carbon</i>

#	<b>Attention - II</b> <i>Location Refter / Erasmus building</i>
24	Exploring the role of curiosity in attention capture
	<i>Seema Prasad and Bernhard Hommel</i>
25	Direct Manipulation of Alpha Oscillations by Visual Entrainment Boosts Suppression
	<i>Bence Szaszko, Martin Habeler, Marlene Forstinger, Ulrich Pomper, Moritz Stolte, Markus Grüner and Ulrich Ansorge</i>
26	Feeling in control of reward boosts the reward cue attentional salience
	<i>Matteo De Tommaso and Massimo Turatto</i>
27	Pupil size and spatial attention are modulated by sensory processing sensitivity.
	<i>Beata Pacula, Joanna Pilarczyk, Agnieszka Bogdaniuk and Michał Kuniecki</i>
28	Goal-directed attention modulates neural representations of object selectivity - An MEG-fMRI fusion study
	<i>Chun-Hui Li and Bo-Cheng Kuo</i>
29	Multidimensional discrimination of compound visual stimuli by pigeons after attending dimensions of which they are composed
	<i>O.V. Vyazovska</i>
30	A dual-process model of visual perspective taking: the role of others' directional features
	<i>Alessandro Soranzo, Parvin Begun and Gabriele Pesimena</i>
31	Covert shifts of attention towards the visual periphery induce pupil dilation irrespective of task difficulty
	<i>Ana Vilotjević and Sebastiaan Mathôt</i>
32	Independent attentional facilitation of single features accounts for conjunction selection in early visual cortex and in behaviour
	<i>Nika Adamian, Nicholas Jeerakun and Søren K. Andersen</i>
33	Sustained attention and motivation: dissociable effects of motivation types on the Sustained Attention to Response Task variables.
	<i>Tommaso Viola, Quoc C. Vuong and Peter Gallagher</i>
34	The multidimensional spotlight of attention
	<i>Søren K. Andersen</i>
34b	Population receptive field properties in human cortex are altered by precision of visual spatial attention
	<i>Sumiya Sheikh Abdirashid, Tomas Knapen and Serge Dumoulin</i>

#	<b>Social Perception</b> <i>Location Refter / Erasmus building</i>
35	Perception of audiovisual speech synchrony for familiar and unfamiliar ethnic speakers. <i>Yuta Ujiie and Kohske Takahashi</i>
36	E-Motion: a database of bodily expression of basic and social emotions <i>Miao Cheng, Shoi Higashiyama, Ken Fujiwara, Chia-Huei Tseng and Yoshifumi Kitamura</i>
37	Loneliness effects on the own-age memory bias for emotional faces. <i>Adriana Patrizia Gonzalez Pizzio, Alla Yankaouskaja, Guido Alessandri and Anna Pecchinenda</i>
38	National favoritism in face perception - a free-viewing study <i>Tomasz Kulczycki, Joanna Pilarczyk and Michał Kuniecki</i>
39	National favoritism in face perception - a categorization study <i>Joanna Pilarczyk, Tomasz Kulczycki and Michał Kuniecki</i>
40	Early impact of task instructions on gaze processing: an EEG study. <i>Nicolas Burra and Domilė Tauvydaitė</i>
41	Early Gaze direction processing: insights from ERP decoding <i>Domilė Tautvydaitė, Joana Chavaz and Nicolas Burra</i>
42	Vergence and the perception of direct gaze <i>Linda Linke and Gernot Horstmann</i>
43	An EEG mu study of observed dyadic actions with varying agent involvement <i>Tjeerd Jellema and Manon Krol</i>

#	<b>Eye Movements - II</b> <i>Location Refter / Erasmus building</i>
44	Suppression of ocular following responses to brief background motion in the reafferent direction <i>Omar Bachtoula, Ignacio Serrano-Pedraza and David Souto</i>
45	Gaze deployment during aging in predictive and unpredictable environments <i>Leonard Gerharz, Eli Brenner and Dimitris Voudouris</i>
46	A preliminary study on evaluative responses toward naturalistic food images among patients with schizophrenia and healthy controls <i>Alexandra Wolf, Shunsuke Tamura, Takako Mitsudo, Kazuo Ueda and Yoji Hirano</i>
47	Eye movements during gaze perception <i>Gernot Horstmann and Linda Linke</i>
48	Maintaining fixation by children in a virtual reality version of pupil perimeter <i>Brendan Portengen, Giorgio Porro, Demi Jansen, Carlijn van den Boomen, Saskia Imhof and Marnix Naber</i>
49	Irisometry: effects of pupil constrictions on iris elasticity and eye position estimations measured with video-based feature tracking. <i>Marnix Naber and Christoph Strauch</i>
50	Fixation classification: how to merge and select fixation candidates <i>Ignace Hooge, Diederick Niehorster, Marcus Nyström, Richard Andersson and Roy Hessels</i>
51	EyeLab: a user-friendly Matlab graphical user interface for real-time eye movements studies <i>Giulia Sedda, Giulia Olla, Sonia Massa, Luigi Raffo, Sebastiano Traccis and Danilo Pani</i>

#	Temporal Processing <i>Location Rafter / Erasmus building</i>
52	Representational dynamics of neural selectivity for faces, bodies, and animacy <i>Gaëlle Leys, Andreas von Leupoldt and Hans Op de Beeck</i>
53	Effect of Spatial Cueing on Haptically Perceived Time at Human Torso <i>Bora Celebi, Müge Cavdan and Knut Drewing</i>
54	Temporal binding windows for rhythmic and quasi-rhythmic audio-visual stimuli <i>Martina Battista, Denisa Adina Zamfira, Gianluca Marsicano, Luca Battaglini, Giuseppe Di Dona and Luca Ronconi</i>
55	Neural entrainment promotes audio-visual integration for rhythmic stimuli together with endogenous alpha speed <i>Denisa Adina Zamfira, Giuseppe Di Dona, Gianluca Marsicano, Martina Battista, Letizia Leocani and Luca Ronconi</i>
56	Visually evoked potentials from stimuli beyond the flicker fusion threshold allow for comfortable control of a computer <i>Alexander Blöck, Sebastian Nagel, Volker H. Franz and Martin Spüler</i>
57	Faster phonological decoding in dyslexic adults induced by action video games and transcranial electrical stimulation of the posterior parietal cortex <i>Martina Mancarella, Giovanna Puccio, Sara Bertoni, Sandro Franceschini, Luca Ronconi, Simone Gori, Luca Campana and Andrea Facoetti</i>
58	Effect of motion on apparent timing of visual events <i>Ljubica Jovanovic, Isabelle Chastney and Alan Johnston</i>
59	The influence of category deviations on the temporal oddball effect <i>Akira Sarodo, Kentaro Yamamoto and Katsumi Watanabe</i>
60	Slow behavioral oscillations reveal rhythmic sampling of visual perception <i>Michele Deodato and David Melcher</i>
61	Flicker-induced time dilation does not depend on the phase of visually-entrained alpha oscillations <i>Amirmahmoud Houshmand Chatroudi and Yotsumoto Yuko</i>
62	Localisation biases at the onset of moving objects of variable durations <i>Pascal Mamassian</i>

#	Memory & Learning <i>Location Rafter / Erasmus building</i>
63	The Role of a Short-Term Visual Buffer in Localizing Objects <i>Mohammad Shams-Ahmar, Peter Kohler and Patrick Cavanagh</i>
64	Input Variability During Perceptual Learning Taps into Invariant Representations to Enable Generalization <i>Giorgio Manenti, Aslan S. Dizaji and Caspar M. Schwiedrzik</i>
65	A Stroop-like effect endures in the short-term memory <i>Katsuaki Sakata and Galina Paramei</i>
66	Effects of emotion on the visual perception and memory of words <i>Chuanji Gao and Marius Peelen</i>
67	Oculomotor Rehearsal in Visuospatial Working Memory <i>Siobhan McAteer, Anthony McGregor and Daniel T Smith</i>
68	Effectiveness of Action Video Games Training in Children with Developmental Dyslexia: A meta-analysis <i>Giovanna Puccio, Giulia Gazzi, Lucia Ronconi, Sara Bertoni, Sandro Franceschini and Andrea Facoetti</i>

69	The efficiency of memory search depends on categorical target-distractor similarity <i>Linlin Shang, Yuanfang Zhao and Marius Peelen</i>
70	Sequential visual encoding guides planning of the potential future in working memory <i>Rose Nasrawi and Freek van Ede</i>
71	Seeing to learn: vision correlates to math and reading performance <i>Carina Schücker, Katharina Limbach, Christin Vanauer, Teresa Sartor, Jörg-Tobias Kuhn and Sarah Weigelt</i>
72	The role of top-down influences on the magnitude of the oblique effect <i>Richard Leadbeater, Paul McGraw and Timothy Ledgeway</i>
73	Rule awareness in mice predicts capacity to generalize rules to new stimuli. <i>Bas van Gorp, Tim Schröder, Anna Beltramini, Paul Tiesinga, Richard van Wezel and Martha Nari Havenith</i>
74	Target-location rather than target-object specific saccadic selection in visual working memory <i>Laura Wirth, Olga Shurygina, Martin Rolfs and Sven Ohl</i>
75	The role of confidence in visual perceptual learning in the absence of external feedback <i>Nadia Hosseinizadeh and Pascal Mamassian</i>
76	Change in the neural representation of novel and familiar objects over the course of recognition learning <i>Ehsan Kakaei and Jochen Braun</i>
77	Manipulating feedback to explore the factors driving working memory allocation <i>Ivan Tomić and Paul M. Bays</i>
77b	Visual Short-Term Memory Load Impairs Visual Perception Within the Focus of Attention <i>Phivos Phylactou and Nikos Konstantinou</i>

#	Colour <i>Location Refter / Erasmus building</i>
78	Attentional effects towards color categories based on paired associations <i>Aimee Martin and Karl Gegenfurtner</i>
79	Colour Memory In Daltonism <i>Sunčica Zdravković, Neda Milić-Keresteš and Ivana Jakovljević</i>
80	Investigating neurophysiological evidence on the attentional capture by salient but task-irrelevant abrupt onset cues in difficult color search <i>Rebecca Rosa Schmid and Ulrich Ansorge</i>
81	The colour appearance of real scenes under multiple illuminations <i>Anya Hurlbert, Jan Kucera and Gaurav Gupta</i>
82	Prior expectations influence memory precision for hues in photographs <i>Jiri Lukavsky, Eliska Simsova and Filip Dechterenko</i>
83	Perceptual evaluation of decolorization algorithms to study subjectively appealing color contrast information <i>Prasoon Ambalathankandy, Yafei Ou, Sae Kaneko and Masayuki Ikebe</i>
84	Comparing color concept with emotion color preference using psychophysical interval scale and ranking order procedure <i>Carlo Martins Gaddi and Marcelo Fernandes da Costa</i>
85	Carry over effect of global/local processing on color constancy <i>Kyoko Hine, Riku Saito and Shigeki Nakauchi</i>
86	Decoding of Colour From EEG Data Driven by Contrast and Colour-Opponency <i>Ana Rozman and Jasna Martinovic</i>

87	Visual performance under reduced mid-wavelength energy spectrum
	<i>Cheng-Han Wu, Tzu-Pin Fan and Pi-Chun Huang</i>
88	Colour constancy and visual cues in simultaneous identification of illumination and reflectance changes
	<i>Lari Virtanen, Maria Olkkonen and Toni Saarela</i>
89	Reference Repulsion in Hue Perception
	<i>Yannan Su, Jule Kaserer and Thomas Wachtler</i>
90	Presaccadic dynamics of color context remapping
	<i>Felix Schrader, Luisa Wensky and Thomas Wachtler</i>
91	Context-dependent computations for color constancy
	<i>Raquel Gil Rodríguez, Laysa Hedjar, Matteo Toscani, Dar'Ya Guarnera, Giuseppe Claudio Guarnera and Karl R. Gegenfurtner</i>
92	Correlated colour temperature matching in flickering white stimuli
	<i>Sergejs Fomins, Davis Zāgers, Renārs Trukša</i>

Wednesday – August 31<sup>st</sup>

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### Symposia

<b>From vision to attention: the development of visual perception in early childhood</b> 09:30-11:00 – organizers Joanna Rutkowska, Sabine Hunnius Location MM	
9:30	Information detection across the developing visual field <i>Chiara Cappardini, Michelle To and Vincent Reid</i>
9:45	The influence of crawling on visual spatial and visual emotion processing in infancy <i>Gloria Gehb, Bianca Jovanovic and Gudrun Schwarzer</i>
10:00	The long-term development of visual motion perception in preterm and full-term infants <i>Audrey van der Meer and Ruud van der Weel</i>
10:15	Fourteen-month-old infants' sensitivity to intention-encoding information in biological motion <i>Joanna Rutkowska, Marlene Meyer, Andrea Cavallo, Cristina Becchio and Sabine Hunnius</i>
10:30	Attention in infancy: a data-driven perspective <i>Hsing-Fen Tu</i>
10:45	Pupil size as a marker of attention in typical and atypical development <i>Ursula Schöllkopf and Nicole Wetzell</i>

<b>Advantages of virtual reality developments for perception research</b> 09:30-11:00 – organizer Szonya Durant Location CC1	
9:30	Supporting the design of educational application in VR through eye tracking <i>Enkelejda Kasneci</i>
9:45	As above (Continued - half hour talk)
10:00	Using immersive virtual environments for studying the visual guidance of action <i>David Harris and Tom Arthur</i>
10:15	The Impact of visuo-vestibular conflicts in virtual reality <i>Maria Gallagher and Elisa R. Ferre</i>
10:30	Visual search in 3D-modelled rooms: comparing results from the same protocol run in VR and on 2D screens <i>Erwan David and Melissa Vo</i>
10:45	Use cases of eye-tracking in virtual reality (VR) for basic research <i>Doga Gulhan</i>

<b>Population Receptive Field Modelling: Recent advances and applications</b> 14:00-15:30 – organizer Ben Harvey Location MM	
14:00	A brief primer to population receptive field (pRF) modelling <i>Serge Dumoulin</i>



14:15	Neuronal basis and application of pRFs for cognitive neuroscience in primates <i>Chris Klink and Pieter Roelfsema</i>
14:30	Early Visual Areas Are Activated During Object Recognition in Emerging Images <i>Hinke Halbertsma, Marleen Bakker, Nicolas Gravel, Remco Renken, Frans Cornelissen and Barbara Nordhjem</i>
14:45	Combining pRF mapping and spectroscopy in the healthy and dysfunctional visual system <i>Betina Ip and Holly Bridge</i>
15:00	Divisive normalization unifies disparate response signatures throughout the human visual hierarchy <i>Marco Aqil, Tomas Knapen and Serge Dumoulin</i>
15:15	Visual timing-tuned responses in human association cortices and response dynamics in early visual cortex <i>Evi Hendriks, Jacob M. Paul, Martijn van Ackooij, Nathan van der Stoep and Ben M. Harvey</i>

## Talk sessions

<b>Perception &amp; Action II</b> 09:30-11:00 – chair Loes van Dam Location CC2	
9:30	Perceptual decision making relies on reducing uncertainty about neural sensory representations <i>Dragan Rangelov, Sebastian Bitzer and Jason Mattingley</i>
9:45	Sensorimotor anticipation during action observation in real-world and video settings <i>Manon Krol and Tjeerd Jellema</i>
10:00	Sensitivity to position and speed in interceptive timing revealed by reverse correlation <i>Joan López-Moliner</i>
10:15	Grasping complies with Weber's law, when biomechanical factors are not in the way <i>Zoltan Derzsi and Robert Volcic</i>
10:30	Gaze and speech behavior in parent-child interactions: A dual eye-tracking study <i>Gijs Holleman, Ignace Hooge, Jorg Huijding, Maja Deković, Chantal Kemner and Roy Hessels</i>
10:45	Is manual size estimation a valid tool for quantifying size perception? <i>Jeroen B. J. Smeets, Bente van Amsterdam, Ian Pennekamp and Willemijn D. Schot</i>

<b>Adaptation &amp; Aftereffects</b> 09:30-11:00 – chair Frans Verstraten Location CC4	
9:30	Less accurate, but more precise, representations following adaptation to orientation revealed by forward encoding of brain activity in human observers <i>Reuben Rideaux, Rebecca West, Dragan Rangelov and Jason Mattingley</i>
9:45	On why we lack confidence in signal-detection-based analyses of confidence <i>Derek Arnold, Alan Johnston, Joshua Adie and Kielan Yarrow</i>
10:00	Neural mechanisms underlying short-term adaptation in human visual cortex. <i>Amber Brands, Sasha Devore, Orrin Devinsky, Werner Doyle, Adeen Flinker, Jonathan Winawer and Iris Groen</i>
10:15	A statistical shape space predicts shape aftereffects in human vision <i>Yaniv Morgenstern, Katherine R. Storrs, Filipp Schmidt, Frieder Hartmann, Henning Tiedemann, Johan Wagemans and Roland W. Fleming</i>



10:30	Facing up to emotional face adaptation: objective measures of the aftereffect are substantially local, and the global component is the same for upright and inverted stimuli
	<i>Tim Meese and Robert Summers</i>
10:45	The contour erasure effect on contrast discrimination
	<i>Yih-Shiuan Lin, Chien-Chung Chen and Mark W Greenlee</i>

<b>Clinical Aspects &amp; Clinical Populations</b> 14:00-15:30 – chair Iris Wiegand Location CC1	
14:00	The speed acuity test as a new tool for the assessment of visual development and cerebral visual impairment
	<i>Jeroen Goossens, Nouk Tanke, Annemiek Barsingerhorn and Nienke Boonstra</i>
14:15	Assessing visual emotional intelligence with Inferential emotion tracking (IET)
	<i>David Whitney and Jefferson Ortega</i>
14:30	Investigating the relationship between alpha oscillations frequency and visual temporal segregation in dyslexia and neurotypical controls
	<i>Luca Ronconi, Alessia Santoni, Laura Franchin and David Melcher</i>
14:45	Crowding disrupts colour and motion perception independently in development and amblyopia
	<i>John A. Greenwood, Kamilla Dombai, Siobhan M. Ludden, Annegret H. Dahlmann-Noor and Tessa M. Dekker</i>
15:00	Spectral EEG power in response to visual social information as an endophenotype of Autism
	<i>Carlijn van den Boomen, Emily J.H. Jones, Jannath Begum-Ali, Emma Ward, Luke Mason, Sabine Hunnius, Chantal Kemner and Mark H. Johnson</i>
15:15	Saccadic compression of space and time in children with and without reading impairment
	<i>Nicola Domenici, Alessia Tonelli and Monica Gori</i>

<b>Scene Perception</b> 14:00-15:30 – chair Marius Peelen Location CC2	
14:00	Representational hierarchy in human and artificial visual systems in the presence of object-scene regularities
	<i>Stefania Bracci, Jakob Mraz, Astrid Zeman, Gaëlle Leys and Hans Op de Beeck</i>
14:15	The Visual Canvas
	<i>Albert Victor van den Berg</i>
14:30	Boundary extension depends on prior visual experience
	<i>Marco Gandolfo and Marius Peelen</i>
14:45	Cortical encoding of spatial structure and semantic content in 3D natural scenes: an MEG study
	<i>Linda Henriksson, Riikka Mononen, Toni Saarela and Maria Olkkonen</i>
15:00	Who to whom? Encoding thematic roles in social scenes is rooted in visual perception
	<i>Sofie Vettori, Catherine Odin, Jean-Rémy Hochmann and Liuba Papeo</i>
15:15	The central shadow rules them all: About how we assess the main location of light source via analysis of drop shadows in a scene
	<i>Claus-Christian Carbon, Malin Styrnal and Alexander Pastukhov</i>

<b>Motion Perception</b> 14:00-15:30 – Petra Vetter Location CC4	
14:00	Unsupervised predictive learning gives rise to V1- and MT-like motion tuning <i>Katherine Storrs, Onno Kampman, Reuben Rideaux, Guido Maiello and Roland Fleming</i>
14:15	Rotating objects cue spatial attention via the perception of frictive surface contact <i>Hong Nguyen and Benjamin van Buren</i>
14:30	Position representations of moving objects align with real-time position in early visual cortex <i>Philippa Johnson, Tessel Blom, Simon van Gaal, Daniel Feuerriegel, Stefan Bode and Hinze Hogendoorn</i>
14:45	The double ring illusion: Object solidity is used to disambiguate ambiguous motion <i>Dawei Bai and Brent Strickland</i>
15:00	Cross-Orientation Inhibition measured through Continuous Tracking <i>Pierfrancesco Ambrosi, Maria Concetta Morrone and David C. Burr</i>
15:15	Improved time-to-collision estimates for accelerating objects: The effect of a visual acceleration signal <i>Marlene Wessels, Alisha Biwer and Daniel Oberfeld-Twistel</i>

<b>Rank Lecture</b> 17:00-18:30 Location CC1 / CC4 – chair Richard van Wezel
<b>Plastic brains for flexible decisions</b>
<b>Zoe Kourtzi</b>

## Poster sessions

#	<b>Face Perception - II</b> Location Refter / Erasmus building
1	Introducing the Cambridge Face Memory Test – Malaysian Chinese (CFMT-MY) <i>Hoo Keat Wong, Siew Kei Kho, David Keeble and Alejandro Estudillo</i>
2	Ingroup and outgroup differences in face detection <i>Jonathan Prunty, Rana Qarooni, Rob Jenkins and Markus Bindemann</i>
3	Investigating the role of the occipital face area (OFA) and fusiform face area (FFA) using multifocal transcranial direct current stimulation (tDCS) <i>Siew Kei Kho, David Keeble, Hoo Keat Wong and Alejandro Estudillo</i>
4	Time-resolved decoding of human face emotion processing from multivariate EEG data <i>Daniela Marinova, Wyn Tan, Andréa Charrin and Alex Wade</i>
5	Knowledge-Augmented Face Perception in Humans and Synthetic Systems <i>Florian Blume, Martin Maier, Pia Bideau, Olaf Hellwich and Rasha Abdel Rahman</i>
6	Multiple Face Detection <i>Rana Qarooni, Markus Bindemann, Jonathan Prunty and Rob Jenkins</i>
7	Acuity for face recognition is better in the lower versus the upper visual field <i>Annie Morsi, Valérie Goffaux and John A. Greenwood</i>
8	No influence of color and contrast on Flashed Face Distortion Effect <i>Momoka Suzuki, Yuta Ujiie and Kohske Takahashi</i>

9	Facial attractiveness mediates the effect of hijab on employability of Middle Eastern women
	<i>Habiba Afzal and Minu Mathews</i>
10	Impaired detection of mismatches in color incongruent image pairs is immune to interventions.
	<i>Anna Bobak, Zoe Hilker, Emily Cunningham and Faye Ng</i>
11	Perception of negative facial emotions and schizotypy: Prior knowledge attenuates individual sensitivity differences
	<i>Jutta Billino and Wiebke Siedentop</i>
12	Masks can't cover up your anger: to investigate the influence of the frequency of social interaction on emotion recognition
	<i>Yi Yu Ting, Pe-Yun Lai, Yi-Ting Chen, Xing-Rou Wong, Yi-Min Tien and Li-Chuan Hsu</i>
13	Ensemble perception occurs for trustworthiness impressions
	<i>Fiammetta Marini, Clare Sutherland and Mauro Manassi</i>
14	Facial expressions reflect your mental situation
	<i>Ayumi Takemoto</i>

#	<b>Perception &amp; Action - II</b> <i>Location Refter / Erasmus building</i>
15	(Im)Precision grip: No scaling to object height when grasping very thin objects
	<i>Martin Giesel, Federico De Filippi and Constanze Hesse</i>
16	Use of position and motion signals in saccadic and goal-directed arm movements
	<i>Cristina de la Malla and Alexander Goettker</i>
17	Stumbling affords remembrance: Perceptual and behavioral engagement with a Holocaust memorial
	<i>Niklas Döbler, Jasmin della Guardia and Claus-Christian Carbon</i>
18	Is there Garner Interference in Manual Estimation?
	<i>Kriti Bhatia, Markus Janczyk and Volker Franz</i>
19	Sense of agency over appearance and movement of an object
	<i>Asumi Takei and Shu Imaizumi</i>
20	Freedom of movement alters size perception.
	<i>Yoshiaki Tsushima, Kyoko Hine and Toshiki Yura</i>
21	Object interaction and sensorimotor prediction in children with developmental coordination disorder
	<i>Gavin Buckingham, Kate Allen, Sam Vine, Tom Arthur, David Harris, Greg Wood, Krasimira Tsaneva-Atanasova and Mark Wilson</i>
22	A new perspective on the Weber's law in action
	<i>Francesco Ceccarini, Ivan Camponogara and Robert Volcic</i>
23	Computer cursor appearance in pointing tasks: the effect of cursor size
	<i>Joey R. Stephens, Paul B. Hibbard and Loes C.J. van Dam</i>

#	<b>Adaptation &amp; Aftereffects</b> <i>Location Refter / Erasmus building</i>
24	Effects of the Number and Motion type of Gabor Patches Inducing Illusory Global Rotation on Motion Aftereffect
	<i>Eiichi Mitsukura and Yasuhiro Seya</i>
25	Gaze displacement thresholds for image recovery after Trofner's fading

	<i>Rytis Stanikunas, Alvydas Soliunas, Remigijus Bliumas, Karolina Jockalyte and Algirdas Novickovas</i>
26	Motion adaptation improves acuity (but size doesn't matter) <i>S. Tagoh, L.M. Hamm, D.S. Schwarzkopf and S.C. Dakin</i>
27	Passive visual stimulation induces fatigue or improvement depending on cognitive load <i>Stefano Ioannucci, Guillermo Borragán and Alexandre Zénon</i>
28	Face adaptation effects on non-configural face information <i>Ronja Mueller, Sandra Utz, Claus-Christian Carbon and Tilo Strobach</i>

#	<b>Art &amp; Aesthetics</b> <i>Location Refter / Erasmus building</i>
29	The outside, the inside, and the in-between: what can Virtual Reality do for the Arts and Sciences? <i>Johannes M Zanker and Harriet O'Neill</i>
30	What makes an environment restorative? New insights from multi-arrangement and representational similarity methods. <i>Jay Davies, Ute Leonards and Jasmina Stevanov</i>
31	Using Hidden Markov Models for analysing mobile eye-tracking data from visitors of an art exhibition <i>Boris Quétard, Christopher Linden and Johan Wagemans</i>
32	A neural network in lockdown loses its ability to appreciate nature <i>Claudia Damiano, Giselle Garnett and Johan Wagemans</i>
33	Isolating Systematic Patterns in Museum Navigation Behaviours via Cross-Recurrence Quantification Analysis <i>Christopher Linden and Johan Wagemans</i>
34	Understanding the Aesthetic Experience: The Relationship Between Aesthetic Attributes and Emotional Competence. <i>Alexandra Edwards and Johannes Zanker</i>
35	Congruency effects in crossmodal art perception: differential cortical activations <i>Funda Yilmaz, Tessa van Leeuwen, Amanda Wintermans, Umut Güclü, Yagmur Güclütürk and Rob van Lier</i>
36	Looking for balance: The sampling of visual information when judging the composition of abstract art <i>Doris Braun, Matteo Toscani, Michèle Latka, Ariadna Ariadna de Los Angeles Montoya Bom and Katja Doerschner</i>
37	Experimental aesthetics without semantics <i>C. Alejandro Parraga, Marcos Muñoz González, Xavier Otazu and Olivier Penacchio</i>

#	<b>Lightness, brightness</b> <i>Location Refter / Erasmus building</i>
38	EIGHT COMPUTATIONAL MODELS VS. FOUR LIGHTNESS ILLUSIONS <i>Predrag Nedimović, Dražen Domijan and Sunčica Zdravković</i>
39	The usability of an ultrabright off-the-shelf monitor for vision testing <i>Enyam Morny and Sven P Heinrich</i>
40	Contextual modulation in contrast perception: the role of flankers contrast <i>Luca Battaglini, Giulio Contemori, Alessandra Barbon, Elena Marini, Francesco Carabba and Marcello Maniglia</i>
41	Brightness contrast alters perceived object distance in virtual environments <i>Christoph von Castell and Heiko Hecht</i>

42	Perceptual scaling constrains the shape of brightness transfer functions in humans and models
	<i>Guillermo Aguilar, Marianne Maertens and Joris Vincent</i>
43	Examining the Effects of Contrast Ratio on Metacontrast Masking with Electroencephalography
	<i>Irem Akdogan and Hulusi Kafaligonul</i>
44	EEG Correlates of Inhibitory Processes Involved in Paracontrast Masking
	<i>Afife Turker and Hulusi Kafaligonul</i>

#	Clinical Aspects & Clinical Populations <i>Location Refter / Erasmus building</i>
45	Multivariate EEG decoding unveiled dysfunctional neural dynamics during attentional zooming in autism
	<i>Gianluca Marsicano, Luca Casartelli, Alessandra Federici, Sara Bertoni, Lorenzo Vignali, Massimo Molteni, Andrea Facoetti and Luca Ronconi</i>
46	The perception of Illusory Line Motion in Parkinson's Disease
	<i>Megan Readman, Trevor Crawford, Jeff Hamm and Sally Linkeauger</i>
47	Spatial attention and spatial short term memory in PSP and Parkinson's disease
	<i>Daniel Smith, Soazig Casteau and Neil Archibald</i>
48	Visual orienting responses in children with cerebral visual impairment (CVI) due to different aetiologies
	<i>Jannet Philip, Bianca Huurneman and Nienke Boonstra</i>
49	Photobleaching as a Tool to Reversibly Induce Glaucoma-Like Symptoms in Healthy Subjects
	<i>Peter Bremen and Johan Pel</i>
50	The Freiburger: A new optotype for P300-based acuity estimation
	<i>Céline Z. Duval, Saskia B. Kaczan and Sven P. Heinrich</i>
51	A neurodevelopmental case of severe impairments in mid-level vision but intact higher-level vision
	<i>Sarah Weigelt, Marisa Nordt, Katharina Limbach, Sonja Rüsing and Renate Walthes</i>
52	Altered high-level chromatic perception in Parkinson's disease
	<i>Ben J. Jennings, Salma Nimuchwala, Frederick Kingdom and Andrew Parton</i>
53	Myopia prevalence and refractive status in primary and secondary school students in Germany
	<i>Astrid Hönekopp, Lisa-Marie Tommes, Philipp Doeblner and Sarah Weigelt</i>
54	Investigating Developmental Prosopagnosia across the Lifespan
	<i>Judith Lowes, Peter Hancock and Anna Bobak</i>
55	Aphantasia: How much can visual imagination influence perception of the Necker cube?
	<i>Azadeh Mozdehfarahbakhsh and Jürgen Kornmeier</i>
56	Improving vision in patients with pre-chiasmatic disorders: three case studies of transorbital alternating current stimulation in association with perceptual learning
	<i>Elena Marini, Luca Battaglini and Clara Casco</i>
57	Distractor rejection in visual search in aging: Happy faces search
	<i>Mariska van Pouderoijen, Gernot Horstmann, Kay Deckers, Joukje Oosterman and Iris Wiegand</i>
58	V6: a unique hub integrating sensory input in a motor spatial representation
	<i>Elena Aggias Vella, Daniel-Robert Chebat, Shachar Maidenbaum and Amir Amedi</i>
59	Anticipatory smooth pursuit in schizotypy
	Thomas Wilcockson

#	<b>Motion Perception</b> <i>Location Refter / Erasmus building</i>
60	Predictive activation of neural position representations for moving objects with and without visual attention <i>Jane Yook, William Turner, Ralph Weidner, Simone Vossel and Hinze Hogendoorn</i>
61	Modulation effect of preceding motion stimuli on resolution of motion rivalry <i>Satoru Abe and Eiji Kimura</i>
62	Tracking motion integration signals in early visual areas <i>Kim Beneyton, Micha Heilbron, Henry Kennedy, Kenneth Knoblauch and Floris P. de Lange</i>
63	Environmental cues correct heading biases from limb articulation. <i>Anna-Gesina Hülmeier and Markus Lappe</i>
64	Does Global Context Affect Memory for Position in the Onset Repulsion Effect? <i>Anna Riga and Ian M. Thornton</i>
65	Heterogenous center-surround antagonism in translational, radial and circular motion processing <i>Tzu-Pin Fan and Pi-Chun Huang</i>
66	Deformation detection and constancy across optical material and illumination variations <i>Mitchell van Zuijlen, Jan Jaap R. van Assen and Shin'Ya Nishida</i>
67	Re-examining the link between alpha band oscillation and illusory jitter perception – an EEG study <i>Dan Hu, Matias Ison and Alan Johnston</i>
68	Is Representational Momentum modulated by object complexity? <i>Ian M. Thornton</i>
69	The strength of the interaction between fine and coarse scales in motion discrimination is size tuned <i>Sandra Arranz-Paraíso, Francisco Prados-Rodríguez and Ignacio Serrano-Pedraza</i>
70	Offset localization of dynamic stimuli: Can speed characteristics of the experimental context influence the Representational Momentum Phenomenon? <i>Simon Merz, Charles Spence and Christian Frings</i>

#	<b>Scene Perception</b> <i>Location Refter / Erasmus building</i>
71	Large objects prime visual representations of space <i>Yuanfang Zhao, Simen Hagen and Marius Peelen</i>
72	Scene context-driven prediction of object transformations in visual cortex <i>Giacomo Aldegheri, Surya Gayet and Marius Peelen</i>
73	“Get your room done” revisited: Scene clutter affects the spatial distribution of attention at encoding but not performance at retrieval in school-aged children. <i>Christos Gkoumas and Andria Shimi</i>
74	The effects of recent event knowledge and semantics in the guidance of fixations on scenes <i>Sophie Heer, Marek A. Pedziwiatr, Peter Bex, Antoine Coutrot and Isabelle Mareschal</i>
75	Probing hierarchical predictive coding of natural images in mouse visual cortex <i>Micha Heilbron and Floris P. de Lange</i>
76	Pictures of natural environments selectively modulate brain activity independently from low-level visual features and subjective perception: An ERP study <i>Simone Grassini, Iris Bastmeijer and Mika Koivisto</i>

77	Tafereel
	<i>Andrea van Doorn and Jan Koenderink</i>
78	Expectations based on prior knowledge sharpen the perceived visual signal as its reliability decreases.
	<i>Pauline Rossel, Carole Peyrin, Alexia Roux-Sibilon and Louise Kauffmann</i>

#	Individual Differences <i>Location Refter / Erasmus building</i>
79	Differences in susceptibility to visual illusions between trainee radiologists and general population
	<i>Radek Wincza, Debra Griffiths, Trevor Crawford and Martin Doherty</i>
80	Recognition of pareidolic objects in developmental prosopagnosic and neurotypical individuals
	<i>Gabriela Epihova, Rich Cook and Timothy Andrews</i>
81	Dependence or independence of visual object recognition mechanisms
	<i>Bahareh Jozranjbar, Árni Kristjánsson, Randi Starrfelt, Christian Gerlach and Heida Maria Sigurdardottir</i>
82	Synaesthesia and its relation to social and sensory aspects of autism
	<i>Tessa van Leeuwen, Maran Koolen, Janina Neufeld, Thijs van Laarhoven and Rob van Lier</i>
83	Text as information gain to reduce visual indeterminacy
	<i>Nicole Ruta, Joanna Ganczarek, Dhanraj Vishwanath and Brendan Wolfe</i>
84	Two temporal frequency mechanisms in frontoparallel cyclopean motion revealed by analysing individual differences.
	<i>Ichasus Llamas-Cornejo, María Olivares-Fernandez, David Peterzell and Ignacio Serrano-Pedraza</i>
85	Lower sensorimotor serial dependences in high versus low autistic tendency
	<i>Antonella Pomè and Eckart Zimmermann</i>
86	Additivity of grouping by proximity and luminance similarity: General results and individual differences
	<i>Elisabeth Van der Hulst, Pieter Moors, Elle van Heusden and Johan Wagemans</i>
87	How age affects the preparation effects under cross-modal switching: Evidence from behavioral and ERP measures
	<i>Jui-Feng Kao, Yen-Ju Chen, Pi-Chun Huang and Shulan Hsieh</i>
88	Dwell time preferences for gaze-based object selection of different object types vary with age
	<i>Gerard Remijn and Yesaya Tommy Paulus</i>
89	Training individual differences in color qualia
	<i>Olympia Colizoli, Nicolas Rothen, Marta Blasco Oliver and Harold Bekkering</i>



## Thursday – September 1<sup>st</sup>

### Symposia

<b>Eyeballing the visual field: eye-tracking- and pupillometry-based alternatives for visual field assessment</b> 09:30-11:00 – organizers Minke de Boer, Anne Vrijling Location MM	
9:30	An introduction to visual field assessments using standard automated perimetry and continuous visual stimulus tracking <i>Anne Vrijling, Minke de Boer, Remco Renken, Jan-Bernard Marsman, Alessandro Grillini, Carlo Enrico Petrillo, Joost Heutink, Nomdo Jansonius and Frans Cornelissen</i>
9:45	Exploring the potential of portable visual fields assessment using Virtual-Reality and eye movement based perimetry <i>Rijul Saurabh Soans, Remco J Renken, Rohit Saxena, Radhika Tandon, Tapan Kumar Gandhi and Frans W Cornelissen</i>
10:00	Recent developments in pupil perimetry <i>Marnix Naber, Saskia Imhof, Giorgio Porro and Brendan Portengen</i>
10:15	What's on TV? Detecting visual field loss using natural eye-movement scan-paths? <i>Peter F Reddingius, Peter R Jones, Daniel S Asfaw, Nicholas D Smith, Haogang Zhu, Vera M Mönter, Laura A Edwards and David P Crabb</i>
10:30	Detecting and reconstructing visual field defects from free-viewing eye movements <i>Henning Schulte, Birte Gestefeld, Jan-Bernard Marsman, Jeroen Goossens and Frans W Cornelissen</i>
10:45	Towards clinical application of eye movement perimetry <i>Johan Pel and Peter Bremen</i>

<b>What do inter-item biases in perception and visual working memory tell about vision?</b> 09:30-11:00 – organizers Andrey Chetverikov, David Pascucci Location CC1	
9:30	Memory reports are biased - for better not worse <i>Rosanne Rademaker and Chaipat Chunharas</i>
9:45	Not all biases are created equal: Differences and similarities for between- and within-trial biases <i>Raymundo Machado de Azevedo Neto</i>
10:00	How precision in attended and ignored information influences sequential estimates <i>Sabrina Hansmann-Roth</i>
10:15	Demixing model of perceptual and memory biases <i>Andrey Chetverikov</i>
10:30	Is access in working memory crucial for serial dependence? <i>Cora Fischer, Stefan Czoschke, Jochen Kaiser and Christoph Bledowski</i>
10:45	Serial dependence and visual working memory: the hypothesis of an interference between low-dimensional representations <i>David Pascucci</i>



<b>Individual differences in mental imagery and anomalous perception</b> 14:00-15:30 – organizers Reshanne Reeder, Tessa M. van Leeuwen Location MM	
14:00	A novel model on divergent perception in imagery extremes <i>Reshanne Reeder</i>
14:15	As above (Continued - half hour talk)
14:30	The role of mental imagery in anomalous sensation and perception: Insights from Aphantasia <i>Carla Dance and Julia Simner</i>
14:45	Phenomenological control: trait differences in generating expected experience <i>Peter Lush, Anil K. Seth, Ryan B. Scott and Zoltan Dienes</i>
15:00	Perceptual Gains and Losses in Synesthesia and Schizophrenia <i>Tessa van Leeuwen, Andreas Sauer, Anna-Maria Jurjut, Michael Wibral, Peter J Uhlhaas, Wolf Singer and Lucia Melloni</i>
15:15	General discussion

<b>Inhibition of Return and Visual Search</b> 17:00-18:30 – organizer Raymond M. Klein Location MM	
17:00	Inhibitions of return: Two inhibitory aftereffects of orienting <i>Raymond Klein, Matthew Hilchey and Ralph Redden</i>
17:15	Inhibition of return in the oculomotor decision Process: Dissociating visual target discrimination from saccade readiness delays <i>Stefan van der Stigchel, Frans Verstraten, Ignace Hooge, Jasper Fabius and Jelmer De Vries</i>
17:30	The effect of item relevance in visual search on saccadic Inhibition of return <i>Margit Höfler, Sebastian A. Bauch, Iain D. Gilchrist and Christof Körner</i>
17:45	Top down goals influence Inhibition of return and return fixations <i>Joseph MacInnes, Tatania Malevich and Liya Merzon</i>
18:00	General Discussion
18:15	General Discussion (extension)

## Talk sessions

<b>Lightness, brightness</b> 09:30-11:00 – chair Sylvia Pont Location CC2	
9:30	A unified model of lightness computation, filling-in, and Troxler fading based on fixational eye movements <i>Michael Rudd</i>
9:45	How bright is your light? <i>Shu-Chen Guan, Matteo Toscani and Karl Gegenfurtner</i>
10:00	Logic lost: lightness perception ignores Illumination cues across cast edges. <i>Elias Economou, Aggeliki Markouli, Suncica Zdravkovic and Alan Gilchrist</i>
10:15	Evidence for the role of primary visual cortex in context-dependent brightness perception <i>Amna Malik and Huseyin Boyaci</i>

10:30	Numerosity tuning in human association cortices and local image contrast representations in early visual cortex
	<i>Ben Harvey, Martijn van Ackooij and Jacob Paul</i>
10:45	Binocular response to light: contrast matching of luminance flicker
	<i>Federico G. Segala, Aurelio Bruno, Alex R. Wade and Daniel H. Baker</i>

<b>Computational Modelling</b> 09:30-11:00 – chair Serge Dumoulin Location CC4	
9:30	Predictive coding is a consequence of energy efficiency in neural networks
	<i>Abdullahi Ali, Nasir Ahmad, Elgar de Groot, Marcel van Gerven and Tim Kietzmann</i>
9:45	A critical test of deep convolutional neural networks' ability to capture recurrent processing using visual masking
	<i>Jessica Loke, Noor Seijdel, Lukas Snoek, Matthew van der Meer, Ron van de Klundert, Eva Quispel, Natalie Cappaert and H. Steven Scholte</i>
10:00	Muscular reflex gains reflect evidence accumulation and changes of mind in decision making
	<i>Yvonne Visser, Pieter Medendorp and Luc Selen</i>
10:15	A multi-task learning approach based on convolutional neural networks for image aesthetic evaluation
	<i>Derya Soydaner and Johan Wagemans</i>
10:30	Spike-timing dependent plasticity among multiple layers of motion-sensitive neurons: a feedforward mechanism for motion extrapolation
	<i>Charlie Sexton, Anthony Burkitt and Hinze Hogendoorn</i>
10:45	A topographic network showing tuned responses to visual short-term memory load.
	<i>Martijn van Ackooij, Jacob Paul, Nathan van der Stoep and Ben Harvey</i>

<b>Object Perception II</b> 14:00-15:30 – chair Hans op de Beeck Location CC1	
14:00	When visuals and meaning collide: The effects of visuo-semantic clashes on object discrimination
	<i>Inga María Ólafsdóttir, Katrín Fjóra Aspelund, Ísabella Lena Borgarsdóttir, Marelle Maeekalle and Heida Maria Sigurdardottir</i>
14:15	A sense of style; comparing style perception between local and global
	<i>Yuguang Zhao, Huib de Ridder, Jeroen Stumpel and Maarten Wijntjes</i>
14:30	Serial dependence in brain representations of visual objects
	<i>Thérèse Collins and Junlian Luo</i>
14:45	Visual category representations in the infant brain
	<i>Siyang Xie, Stefanie Hoehl, Merle Moeskops, Ezgi Kayhan, Christian Kliesch, Bert Turtleton, Moritz Köster and Radoslaw Cichy</i>
15:00	Rapid statistical learning of object part co-occurrence in humans and monkeys
	<i>Jhilik Das and S.P. Arun</i>
15:15	Temporal dynamics of shape-invariant real-world object size processing
	<i>Simen Hagen, Yuan-Fang Zhao and Marius V. Peelen</i>

<b>Visual Search &amp; Foraging</b> 14:00-15:30 – chair Margit Höfler Location CC2	
14:00	Can natural scenes guide attention to more than one location? Evidence from eye movements in contextual cueing <i>Josefine Albert, Christian H. Poth and Werner X. Schneider</i>
14:15	Developing a collaborative framework for naturalistic visual search <i>Anna Hughes, Charli Sherman and Alasdair Clarke</i>
14:30	Visual search efficiency strongly modulated by irrelevant surface level properties. <i>Anna Nowakowska, Alasdair D.F. Clarke, Josephine Reuther and Amelia R. Hunt</i>
14:45	Spatiotemporal associations between neural representational similarity and visual task performance <i>Lu-Chun Yeh, Sushrut Thorat and Marius V. Peelen</i>
15:00	Top-Down Suppression of Negative Features Applies Flexibly Contingent on Search Goals <i>Marlene Forstinger and Ulrich Ansorge</i>
15:15	Ensemble perception, categorization, and visual search <i>Shaul Hochstein, Noarm Khayat, Marina Pavlovskaya and Safa'A Abassi Abu Rukab</i>

<b>Peripheral Vision</b> 14:00-15:30 – chair Michael Herzog Location CC4	
14:00	Robust feature blanking effect for a wide range of spatial frequencies <i>Lukasz Grzeczowski, Arne Stein and Martin Rolfs</i>
14:15	Decoding remapped stimulus information from EEG in the pre-saccadic period. <i>Caoimhe Moran, Philippa Johnson, Ayelet N. Landau and Hinze Hogendoorn</i>
14:30	Foveal feedback and the discrimination of peripheral objects: timing and role. <i>Giulio Contemori, Carolina Maria Oletto, Roberta Cessa, Luca Battaglini and Marco Bertamini</i>
14:45	Optic flow processing in macular degeneration patients <i>Jade Guenot, Yves Trotter, Paul Fricker, Marta Cherubini, Vincent Soler and Benoit Cottureau</i>
15:00	Eyes up! Presaccadic attention enhances contrast sensitivity, but not at the upper vertical meridian <i>Nina M. Hanning, Marc M. Himmelberg and Marisa Carrasco</i>
15:15	Right fronto-parietal tACS at beta frequency reduces the influence of visual crowding during letter identification <i>Giuseppe Di Dona, Martina Battista, Denisa Adina Zamfira, Luca Battaglini, Daniela Perani and Luca Ronconi</i>

<b>Perceptual Awareness &amp; Consciousness</b> 17:00-18:30 – chair Derek Arnold Location CC1	
17:00	Decoding visual predictions from occipital alpha oscillations <i>William Turner, Tessel Blom and Hinze Hogendoorn</i>
17:15	Structure and knowledge effects on amodal completion in early visual cortex and lateral occipital complex <i>Jordy Thielen, Tessa van Leeuwen, Floris de Lange and Rob van Lier</i>
17:30	The Influence of an Irrelevant Task on Gestalt Accentuation <i>Michael Wagner, Ronen Hershman, Lisa Beckmann, Eldad Keha and Avishai Henik</i>

17:45	Statistical learning facilitates access to awareness
	<i>Luzi Xu, Chris Paffen, Stefan Van der Stigchel and Surya Gayet</i>
18:00	Interaction between CFS mask and target across spatial frequency and orientation
	<i>Weina Zhu, Wuqiao Liu, Yu Zeng and Jan Drewes</i>
18:15	Can perceptual completion take place in the absence of visual awareness?
	<i>Ruth Kimchi, Dina Devyatko and Shahar Sabary</i>

<b>Low Level Vision</b> 17:00-18:30 – chair Koen Haak Location CC2	
17:00	Deep reinforcement learning for evaluation and optimization of prosthetic vision
	<i>Jaap de Ruyter van Steveninck, Sam Danen, Burcu Küçükoğlu, Umut Güçlü, Richard van Wezel and Marcel van Gerven</i>
17:15	A biologically plausible phosphene simulator for the optimization of visual cortical prostheses
	<i>Maureen van der Grinten, Jaap de Ruyter van Steveninck, Antonio Lozano, Pieter Roelfsema, Marcel van Gerven, Richard van Wezel, Umut Güçlü and Yagmur Güçlütürk</i>
17:30	Activity in hMT+ Reflects the Effect of Spatial Attention on Surround Suppression
	<i>Merve Kınıklıoğlu and Huseyin Boyaci</i>
17:45	The influence of context on perceptual inferences
	<i>Emily A-Izzeddin, Jason Mattingley and William Harrison</i>
18:00	Saccades' trajectories deviate from optimally informative visual features
	<i>Serena Castellotti, Martin Szinte, Maria Michela Del Viva and Anna Montagnini</i>
18:15	Inner-outer asymmetry in the Eriksen flanker task
	<i>Danai Papadaki, Rama Chakravarthi and Søren K. Andersen</i>

<b>Depth &amp; Stereo</b> 17:00-18:30 – chair Manuela Chessa Location CC4	
17:00	Do JNDs Measure Uncertainty in Depth Discrimination?
	<i>Jovan Kemp and Fulvio Domini</i>
17:15	Real-world object size inferred from scene context sharpens object representations in visual cortex
	<i>Surya Gayet, Mariska Peeters, Marco Gandolfo and Marius V. Peelen</i>
17:30	PTVR : a user-friendly open-source script programming package to create Virtual Reality experiments
	<i>Éric Castet, Jérémy Termoz-Masson, Johanna Delachambre, Christophe Hugon, Hui-Yin Wu and Pierre Kornprobst</i>
17:45	The role of the horizon in the perception of ground plane slant
	<i>Brian Rogers</i>
18:00	Cue combination with augmented sensory information: learning to combine familiar and novel cues to depth
	<i>Meike Scheller, Stacey Aston, Heather Slater and Marko Nardini</i>
18:15	Surface Attitude Judgements with Haptic and Visual Response
	<i>Cheng Stella Qian, Anisha Parmar, James Elder, Wendy Adams, Erich Graf, Matthew Anderson, Jaime Spencer and Andrew Schofield</i>

Poster sessions

#	Depth & Stereo <i>Location Refter / Erasmus building</i>
1	Surface orientation affects sensitivity to disparity-defined variations in depth <i>Paul Hibbard and Ross Goutcher</i>
3	The Role of the Depth Dimension in 3D Visualizations for Dense Data Understanding <i>Furkan Kaya, Anil Ufuk Batmaz, Aunnoy K Mutasim and Wolfgang Stuerzlinger</i>
5	Classification images for stereoscopic aerial photographs: binocular disparity is used more by expert- than novice-surveyors when discriminating hedges from ditches <i>Emil Skog, Timothy S. Meese, Isabel Sargent, Andrew Ormerod and Andrew J. Schofield</i>
7	How do we encode binocular visual direction? <i>Yalige Ba, Paul McGraw and Timothy Ledgeway</i>
9	Correct focus cues improve the perceived realism of depth in stereoscopic images <i>Anantha Krishnan, Rafal Mantiuk and Simon Watt</i>
11	Vertical shear disparity processing in depth for inclination perception and cyclovergence <i>Saad Almajed, Philip Duke and David Souto</i>
13	Remapping of Peripersonal Space in Virtual Reality: An Exploratory Study <i>Irene Petrizzo, Kyriaki Mikellidou, Savvas Avraam, Marios Avraamides and Roberto Arrighi</i>
15	New Measures of Stereoscopic Vision: Assessing Reliability and Validity <i>Sylvie Denkinger, Maria-Paraskevi Antoniou, Demetrio Tarello, Dennis M. Levi, Benjamin T. Backus, Daphné Bavelier and Adrien Chopin</i>

#	Computational Modelling <i>Location Refter / Erasmus building</i>
17	Interaction between colour and form in Vision Transformers <i>Arash Akbarinia</i>
19	Solving a difficult figure-ground segmentation problem in sedimentary rock photomicrographs using a fully automated algorithm combining Marr's Raw Primal Sketch and a Magno-Parvo Additive model <i>Kuntal Ghosh and Rajdeep Das</i>
23	A computational model of hand perception <i>Valeria Peviani, Luke Miller and Pieter Medendorp</i>
25	BLresnet: A novel sequential deep neural network to investigate human dynamic object recognition <i>Lynn K. A. Sørensen, Sander M. Bohté, Heleen A. Slagter and H. Steven Scholte</i>
27	CNN-based search model underestimates human attention guidance by simple visual features <i>Endel Pöder</i>
29	Modeling private and shared tastes in facial preference judgments <i>Koyo Nakamura, Christina Krumpholz, Patrick Smela, Clíodhna Quigley and Helmut Leder</i>
31	Deep Predictive Coding Models of the Ventral Visual Stream <i>Stefan Brugger and Christoph Teufel</i>
33	What is the 'correct' human cortical magnification factor? <i>Hans Strasburger</i>
35	Stability vs plasticity: No critical period needed in simulated visual cortex <i>Jurriaan Schreuder, Jaap Murre and Steven Scholte</i>

37	Representational similarity within and across object domains in human brain and in deep deural networks
	<i>Artem Platinov, Ch. Stolle, I. Pillet and H. Op de Beeck</i>
39	CNNs Reveal the Computational Implausibility of the Expertise Hypothesis
	<i>Pranjul Gupta, Nancy Kanwisher and Katharina Dobs</i>
41	Perceptual learning results in efficient re-allocation of sensory resources
	<i>Joey Zhou, Floris de Lange and Janneke Jehee</i>
43	Bistable perception, precision modulation and active inference
	<i>Filip Novicky, Thomas Parr, Karl Friston, Berk Mirza, Noor Sajid</i>

#	<b>Crowding</b> <i>Location Rafter / Erasmus building</i>
45	Use of Crowded Landolt-C charts can lead to reduced impact of crowding in strabismic amblyopia.
	<i>Sarah J Waugh and Maria Fronius</i>
47	(Un)crowding is pre-attentive
	<i>Yuri Markov, Alban Bornet, Natalia Tiurina and Michael Herzog</i>
49	The effect of eccentricity and target-flanker similarity on the spatial profile of crowding
	<i>Kristian P. Skoczek, Jennifer H. Acton, John A. Greenwood and Tony Redmond</i>
51	Crowding results from optimal integration of visual targets with contextual information
	<i>Giovanni D'Errico, Guido Marco Cicchini and David Charles Burr</i>
53	Assessing Peripheral Crowding Strength Using a Continuous Eye Movement Paradigm
	<i>Dilce Tanriverdi, Nomdo M. Jansonius and Frans W. Cornelissen</i>
55	Exploring the characteristics of foveal temporal crowding
	<i>Tomer Sahar and Yaffa Yeshurun</i>

#	<b>Peripheral Vision</b> <i>Location Rafter / Erasmus building</i>
57	Foveal Feedback is Specific to the Parvocellular System but not to Shape Related Tasks
	<i>Carolina Maria Oletto, Giulio Contemori, Luca Battaglini, Roberta Cessa and Marco Bertamini</i>
59	The role of similarity and bias in letter acuity measurements: a noisy template model
	<i>Hatem Barhoom, Gunnar Schmidtmann, Mahesh R. Joshi, Paul H. Artes and Mark A. Georgeson</i>
61	Reading abilities in Deaf: Role of Fovea and Parafovea
	<i>Veena Kamble, Michele Scaltritti and Virginie Crollen</i>
63	Contrast constancy in peripheral vision: an old problem with a new colour
	<i>Zhuohan Jiang, Christopher Shooner and Kathy Mullen</i>
65	Coarse perceptual information about peripherally presented stimuli in the Foveal cortex. An fMRI study on the periphery-to-fovea feedback
	<i>Andrea I. Costantino, Matthew J. Crossley, Benjamin O. Turner and Mark A. Williams</i>

#	<b>Magnitude Time Numerosity</b> <i>Location Rafter / Erasmus building</i>
67	Cortical quantity representations of visual numerosity and timing overlap increasingly but remain distinct
	<i>Evi Hendriks, Jacob M. Paul, Martijn van Ackooij and Ben M. Harvey</i>
69	Scalable representations of numerical magnitude in human frontoparietal cortex
	<i>Teruaki Kido, Yuko Yotsumoto and Masamichi J. Hayashi</i>

71	Groupitizing, as subitizing, modulates early visual component of the EEG signal <i>Camilla Caponi, Paula A. Maldonado Moscoso, Paolo Antonino Grasso, Giovanni Anobile, Elisa Castaldi and Roberto Arrighi</i>
73	Magnitude integration of time and numerosity evaluated using Maximum Likelihood Estimation (MLE) model <i>Taku Otsuka and Yuko Yotsumoto</i>
75	Numerosity processing in the dyscalculic brain <i>Kyriaki Mikellidou, Giovanni Anobile, Francesca Frijia, Domenico Montanaro, David Burr and Maria Concetta Morrone</i>

#	Visual Search & Foraging <i>Location Refter / Erasmus building</i>
77	Friend or Foe: The Role of Semantically Related Distractors during Bilingual Object Search <i>Naomi Vingron, Melissa Vo and Debra Titone</i>
79	Emphasizing relevant target-dimensions of novel shapes based on distractor expectations <i>Maelle Lerebourg, Floris de Lange and Marius Peelen</i>
81	Perceptually non-distinctive uniqueness in eye of origin of visual inputs boosts saliency by unique color and/or orientation: implications for mechanisms in the primary visual cortex <i>Jinyou Zou, Junhao Liang and Li Zhaoping</i>
83	Which search are you on? Adapting to shape while searching for color <i>Yunyun Mu, Anna Schubö and Jan Tünnermann</i>
85	The effects of interruption on a subsequent visual search in the same environment. <i>Alejandro J. Cambronero-Delgadillo, Katharina Pfann, Christof Körner, Iain D. Gilchrist and Margit Höfler</i>
87	Guidance of visual search through canonical materials while controlling for low-level features <i>Fan Zhang and Dietmar Heinke</i>
89	Pop-in: the inversion of pop-out during visual search in monkey brain area V4 <i>Chris Klink, Rob Teeuwen, Jeannette Lorteije and Pieter Roelfsema</i>
91	The effects of auditory and visual synchrony on foraging <i>Ivan Makarov, Rúnar Unnþórsson, Árni Kristjánsson and Ian M. Thornton</i>
93	Co-activation of multiple attentional templates in colour versus shape search <i>Ziyi Wang and Anna Grubert</i>