



20th

ECEM 2019

European Conference
on Eye Movements

18-22 August 2019, Alicante, Spain

Programme



🕒 Sunday, August 18th

14:00 **Registration** 

15:00
15:15 **Welcome Address (Plenary room)**

15:15
16:15 **Keynote Speaker (Plenary room): Enkelejda Kasneci** (University of Tübingen): *Beyond the lab? Eye tracking in dynamic real-world environments*

Session 1

Plenary Room: 1st Floor

Room 4: 1st Floor

Room 5: 1st Floor

Room 10: 2nd Floor

Symposium 1

Face Perception & Emotions

Clinical Research

Applications: Education

16:15
18:15

Word processing across space and time during reading: Insights from eye tracking, electrophysiology, and computational modeling

Schotter, Elizabeth; Payne, Brennan; Veldre, Aaron; Wong, Roslyn; Andrews, Sally; Barber, Horacio; Riviero, Francisco; Dampuré, Julien; Hernández-Ramos, Laura; Kretschmar, Franziska; Mayer, Erika; Staub, Adrian; Dimigen, Olaf; Tischer, Sophia; Reichle, Erik

You literally cannot pay me to look at poop: The astounding lack of habituation to disgust as measured through oculomotor avoidance

Dalmajer, Edwin S.; Lee, Alex; Armstrong, Thomas

Affective features of psychopathy predict reduced eye contact in incarcerated offenders: A study of eye movements during live social interaction

Gehrer, Nina A.; Duchowski, Andrew T.; Jusyte, Aiste; Schönenberg, Michael

Applications of Gaze Analyses in the Study of Pedagogical Expertise in Music

Duke, Robert; Hicken, Laura; Marcum, Travis



Session 1



16:15
-
18:15

	<i>Room 4: 1st Floor</i>	<i>Room 5: 1st Floor</i>	<i>Room 10: 2nd Floor</i>
	Face Perception & Emotions	Clinical Research	Applications: Education
	Recognition of dynamic emotions between deaf and hearing individuals Krejtz, Izabela; Krejtz, Krzysztof; Wisiecka, Katarzyna; Abramczyk, Marta; Olszanowski, Michal; Duchowski, Andrew	Effect of visual tracking intervention on attention and behavior of Attention Deficit Hyper Activity children Ebrahim, Pishyareh; Shiva, Janmohamadi; Haghgoo, Hojjat Allah	Interactive multimedia keep students focused. Impact of interactive educational tools on dynamics of attention and learning effectiveness Krejtz, Krzysztof; Borkowska, Olga; Duchowski, Andrew
	Eye Movement Study on the Own Age Effect of Children with Autism Spectrum Disorder in Face Processing Wei, Ling; Yu, Youyi; Liu, Renhao	Eye-tracking and reading disabilities in a sample of portuguese children Cardoso Pereira, Norberto Firmino	Investigating the relationships between teachers gaze, classroom practices and teacher self-efficacy belief Skublla, Irene; McIntyre, Nora; Barza, Lydia; Von Suchodoletz, Antje



Session 1



	Room 4: 1st Floor	Room 5: 1st Floor	Room 10: 2nd Floor
	Face Perception & Emotions	Clinical Research	Applications: Education
16:15 - 18:15	<p>Eye movements to tilted faces reveal a strong upper eye bias Davidenko, Nicolas</p>	<p>Oculomotor Measures as Endophenotypes for Attention Deficit Hyperactivity Disorder and Autism Spectrum Disorder Seernani, Divya; Damania, Khanjan; Ioannou, Chara; Hill, Holger; Anderson, Nicole; Boccignone, Giuseppe; Foulsham, Tom; Bishof, Walter; Kingstone, Alan; Biscaldi, Monica; Ebner-Priemer, Ulrich; Klein, Christoph</p>	<p>Towards a software prototype for the identification of the eye movements associated with dyslexia through eyetracking Meza-Garcia, Eduardo Ariel; López-Orozco, Francisco; López-Nájera, Abraham; Quiñonez-Domínguez, César; Loya-Sánchez, Carlos Esteban; Alarcón-Osollo, Adrián</p>
	<p>Wild lab - Characterizing face-selective ERPs under more natural conditions Gert, Anna Lisa; Ehinger, Benedikt V.; Timm, Silja; König, Peter; Kietzmann, Tim C.</p>	<p>The effect of levodopa on saccadesOxford Quantification in Parkinsonism study Chrystalina Antoniades</p>	<p>Tracing attentional anchors: Idiosyncratic repetitive eye-movements in the control of prospectively mathematical sensory-motor routines Shvarts, Anna; Abrahamson, Dor; Bakker, Arthur</p>



Session 1



	<i>Room 4: 1st Floor</i>	<i>Room 5: 1st Floor</i>	<i>Room 10: 2nd Floor</i>
	Face Perception & Emotions	Clinical Research	Applications: Education
16:15 - 18:15	Manifestation of the other race effect during spectatorship of paintings Trawinski, Tobiasz; Zang, Chuanli; Liversedge, Simon P.; Donnelly, Nick	The pupil accommodative response as a communication tool in ALS patients Roatta, Silvestro; Lorenzo Villalobos, Andres Eduardo; Giusiano, Silvia; Musso, Luca; Calvo, Andrea; Moglia, Cristina; De'Sperati, Claudio	A methodological synthesis of eye-tracking research in second language acquisition and bilingualism Godfroid, Aline
18:15 - 19:00	Welcome Drink		

🕒 **Monday, August 19th**

09:00 - 10:00 **Keynote Speaker (Plenary room): Jenny Groh** (Duke University): *Hearing in a world of light: why, where, and how visual and auditory information are connected by the brain*

10:00 - 10:30 **Coffee Break** ☕

Session 2



Room 4: 1st Floor

Plenary Room: 1st Floor

Room 10: 2nd Floor

Room 5: 1st Floor

Symposium 2

Reading Models I

Scene Perception

Cognition I

10:30 - 12:30

What eyes tell us about child sensorimotor and cognitive development

Alahyane, Nadia; Munoz, Douglas P.; Luna, Beatriz; Hillairet de Boisferon, Anne; Schmitt, Lauren M.; Kleberg, Johan Lundin

Integrative Mechanisms in Sight-Reading and Silent Reading

Cara Jara, Michel; Yima, Esteban; Hurtado, Álvaro

Beyond the Screen's Edge Part 1: Eye and Head Movements While Looking at Rotated Scenes in VR

Anderson, Nicola C; Bischof, Walter F; Kingstone, Alan

Talking about what we see: Eye movements in dynamic scenes are not under the control of linguistic stimuli

De Almeida, Roberto G; Di Nardo, Julia; Antal, Caitlyn

Navigating the Narrative: Readers' Strategies When Reading Comic Page Layouts

Kirtley, Clare; Murray, Christopher; Vaughan, Phillip; Tatler, Benjamin

Beyond the Screen's Edge Part 2: Eye and Head Movements While Looking at Rotated Panoramic Scenes in VR

Bischof, Walter F.; Anderson, Nicola C.; Doswell, Michael T.; Kingstone, Alan

Using pupil size and eye-blink rate to investigate brain processes underlying cognitive flexibility

Pajkossy, Péter; Szöllösi, Ágnes; Demeter, Gyula; Racsmany, Mihály



Session 2



10:30
-
12:30

	<i>Plenary Room: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>
	Reading Models I	Scene Perception	Cognition I
	<p>Shorter fixations before regressions? Evidence for two qualitatively different types of regressive eye movements during reading Anna Fiona, Weiss</p>	<p>CA/C ratio is a key parameter for adaptation to stereoscopic viewing Pascaline Neveu; Corinne Roumes; Charles-Antoine Salasc; Philippe Fuchs; Anne-Emmanuelle Priot</p>	<p>What the pupils tell us about aesthetics (or not) Elschner, Sophie G.; Gaissmaier, Wolfgang</p>
	<p>Integrating syntactic expectations with parafoveal visual information during reading Sturt, Patrick; Cutter, Michael; Martin, Andrea</p>	<p>Object search in real-world scenes with central and peripheral scene degradation Cajar, Anke; Engbert, Ralf; Laubrock, Jochen</p>	<p>No effect of negation in counterfactuals: Evidence from eye-tracking in the visual world paradigm Orenes, Isabel; Garcia-Madruga, Juan A.; Espino, Orlando; Byrne, Ruth</p>
	<p>A tale about differences in eye movements while children and adults read comics and texts using a coherence paradigm Martin-Arnal, Lorena Alicia; León, José Antonio; Olmos, Ricardo</p>	<p>Across Scene Depth: Differing impacts of foreground and background information Castelhano, Monica</p>	<p>Saccade suppression depends on scene context Zimmermann, Eckart</p>



Session 2



	<i>Plenary Room: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>
	Reading Models I	Scene Perception	Cognition I
10:30 - 12:30	Does substituting words by emoji affect reading? Evidence from word recognition, sentence comprehension, and text reading Kharlamov, Nik; Flyvholm Povlsen, Alexander; Horslev Ravnkilde, Kasper	Foveal vs. extrafoveal processing of object semantics during scene viewing: fixation-related N400 effects Coco, Moreno I.; Antje, Nuthmann; Olaf, Dimigen	Task-dependent eye-movement behavior in head unrestrained scene viewing Backhaus, Daniel; Trukenbrod, Hans; Rothkegel, Lars; Engbert, Ralf
12:30 - 14:00	Lunch		



Session 3



14:00
-
16:00

<i>Room 4: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	<i>Plenary Room: 1st Floor</i>
Symposium 3	Attention I	Computational Modeling, Data Analysis & Quality	Applications: Medicine
<p>Progress in Neurophysiology and Oculomotor Psychophysics: Contributions and Influence of Jan van Gisbergen (1943-2019) Van Opstal, John; Guitton, Dan; Medendorp, Pieter; Munoz, Doug; Frens, Maarten</p>	<p>Is covert visual search biologically constrained by the Effective Oculomotor Range? Smith, Daniel T.; Casteau, Soazig</p>	<p>Temporal control in modelling eye fixations Ludwig, Casimir; Trukenbrod, Hans; Engbert, Ralf</p>	<p>How many cues does it take to find every cancer? Litchfield, Damien; Donovan, Tim</p>
	<p>Presaccadic attention modulates visual responses via response gain changes Carrasco, Marisa; Li, Hsin-Hung; Pan, Jasmine</p>	<p>popEye - An integrated R package to analyse eye movement data from reading experiments Schroeder, Sascha</p>	<p>How Prior Knowledge Affects Problem-solving Performance in a Medical Simulation Game: Using Game-logs and Eye-tracking Lee, Joy Yeonjoo; Donkers, Jeroen; Jarodzka, Halszka; Van Merriënboer, Jeroen</p>



Session 3



	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	<i>Plenary Room: 1st Floor</i>
	Attention I	Computational Modeling, Data Analysis & Quality	Applications: Medicine
14:00 - 16:00	The influence of spatial priors and visual processing time on attentional selection and oculomotor control Wollenberg, Luca; Deubel, Heiner	Disentangling cognition and eye movements in EEG using generalized additive mixed models Meghanathan Radha Nila; Nikolaev Andrey R.; Van Leeuwen Cees	Eye tracking control improves functionality of a retinal prosthesis for the blind Caspi, Avi
	Featural attention in the development of category learning Visser, Ingmar; Renswoude, Daan van; Raijmakers, Maartje	Small eye movements cannot be reliably measured by_x005Fvideo-based P-CR eye-trackers Kenneth, Holmqvist; Pieter, Blignaut	Eye movements in the formally blind Zerr, Paul; Ossandon, Jose; Shareef, Idris; Van der Stigchel, Stefan; Kekunnaya, Ramesh; Röder, Brigitte



Session 3



	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	<i>Plenary Room: 1st Floor</i>
	Attention I	Computational Modeling, Data Analysis & Quality	Applications: Medicine
14:00 - 16:00	<p>Meaning or Salience? What drives attention over real-world scenes in infants and adults? Van Renswoude, Daan; Visser, Ingmar; Raijmakers, Maartje</p>	<p>A computational model of rhythmic auditory attention predicts the pupillary response to music Fink, Lauren; Hurley, Brian; Geng, Joy; Lange, Elke; Janata, Petr</p>	<p>Looking to collaborate: using mobile eye-trackers to explore interprofessional collaboration features in stroke care simulations MacKenzie, Diane; Neyedli, Heather; Westwood, David; Creaser, Gail; Sponagle, Kim; Hickey, Ellen; Merritt, Brenda; Miller, Stephen; Gubitz, Gordon; Dithurbide, Lori; Picketts, Leanne</p>
		<p>Do pupil-based binocular video eye trackers reliably measure vergence? Hooge, Ignace; Hessels, Roy; Nyström, Marcus</p>	<p>Stereoscopic eye tracking with an aspheric model of the cornea Goossens, Jeroen</p>
16:00 - 18:00	Poster Session I (from 01 to 71)		

🕒 **Tuesday, August 20th**

09:00 - 10:00 **Keynote Speaker (Plenary room): Martin Rolfs** (Humboldt University of Berlin): *The fate and function of vision during saccades*

10:00 - 10:30 **Coffee Break** ☕

Session 4



Plenary Room: 1st Floor

Room 10: 2nd Floor

Room 5: 1st Floor

Room 4: 1st Floor

Symposium 4

Sentence and Text Processing I

Saccades

Oculomotor Dysfunction I

10:30 - 12:30

From lab-based studies to eye-tracking in virtual and real worlds: conceptual and methodological problems and solutions
Hessels, Roy; Diaz, Gabriel; Niehorster, Diederick; Duchowski, Andrew; Haensel, Jennifer; Pelz, Jeff

On the segmentation of incremental words during Chinese reading
Li, Xingshan; Zhou, Junyi

Saccadic adaptation to temporarily delayed stimuli
Wagner, Ilja; Wolf, Christian; Schütz, Alexander C.

Effect of eye movement reactivation on visual memory among individuals with traumatic brain injury (TBI)
Vakil, Eli; Deitcher, Yishai; Sachar, Yaron



Session 4




10:30
-
12:30

	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	<i>Room 4: 1st Floor</i>
	Sentence and Text Processing I	Saccades	Oculomotor Dysfunction I
	A large-scale eye-movement study of Chinese reading: Implications for models of reading Yu, Lili; Liu, Yanping; Reichle, Erik	The spatial programming of multiple saccadic eye movements McSorley, Eugene; McCloy, Rachel; Gilchrist, Iain	Fixation dynamics as a function of PRL eccentricity with a simulated-scotoma Costela, Francisco; Martinez-Conde, Susana; Woods, Russell
		Trans-saccadic perception of filled-in information Schütz, Alexander C.; Gloriani, Alejandro H.	Reading with a simulated central vision loss: a comparison of dynamic and static text formats Akthar, Farah; Walker, Robin
	Older Adults Make Greater Use of Word Predictability in Chinese Reading Paterson, Kevin; Zhao, Sainan; Li, Lin; Xu, Qianqian; Wang, Jingxin	Rapid spatial updating across saccades is malleable Belopolsky, Artem; Van Leeuwen, Jonathan	Rapid adaptation of fixation distribution during sentence reading with central field loss and its role in reading performance: a mediation analysis Castet, Éric; Aguilar, Carlos; Matonti, Frédéric; Calabrèse, Aurélie



Session 4



	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	<i>Room 4: 1st Floor</i>
	Sentence and Text Processing I	Saccades	Oculomotor Dysfunction I
10:30 - 12:30	<p>Saccade-Targeting is Not Word-Based in Chinese Reading: Evidence from Parafoveal Masking Wang, Jingxin; Chang, Min; Zhang, Kuo; Zhang, Xue; Lin, Li; Sha, Li; Liversedge, Simon; Paterson, Kevin</p>	<p>Transsaccadic perception depends on object-based updating Tas, Caglar; Hollingworth, Andrew</p>	<p>Cerebellar control of target foveation by the size of the active population in the caudal fastigial nucleus Laurent Goffart; Julie Quinet; Clara Bourrelly</p>
	<p>Lack of Character Frequency Effects in Reading Chinese Compound Words Hyönä, Jukka; Cui, Lei; Wang, Jue; Zhang, Yingliang; Cong, Fengjiao; Zhang, Wenxin</p>	<p>Do readers integrate phonological codes across saccades? A Bayesian meta-analysis and a survey of the unpublished literature Vasilev, Martin R.; Yates, Mark; Slattery, Timothy J.</p>	<p>Impacts of heterophoria on binocular advantages in reading Jainta, Stephanie</p>
12:30 - 14:00	<p>Lunch </p>		



Session 5



Room 4: 1st Floor

Plenary Room: 1st Floor

Room 10: 2nd Floor

Room 5: 1st Floor

Symposium 5

Attention II

Parafoveal Preview

Detection and Gaze

Recent advances in research on the "looking at nothing" phenomenon

Agnes Rosner; Roger Johansson; Alper Kumcu; Manon Jones; Stefan Czoschke

Eye movements and actions during typing with an on-screen keyboard

Foulsham, Tom

Parafoveal Processing of Repeated Words during Reading

Denis, Drieghe; Rob, Chan Seem

Can word processing difficulty explain individual differences in inconsistency detection?

Hessel, Annina; Schroeder, Sascha

14:00
-
16:00

Changes in strategies during mouse- and gaze-foraging are associated with variations in oculomotor dynamics

Tagu, Jérôme; Kristjánsson, Árni

The use of parafoveal syllable information for early Finnish readers

Häikiö, Tuomo; Mäkinen, Tiina

Compensation of ceiling effects through eye tracking

Fehringer, Benedict C.O.F.; Münzer, Stefan

Adding Informational Masking against Energetic Masking further Reduces the Accuracy and Speed of Visual-Search Performance: An Eye Movement Study

Yang, Haibo; Niu, Lili; Li, Liang

Effects of reading goals on parafoveal processing during reading

White, Sarah J.; Warrington, Kayleigh L.; Sidhu, Kiruth; McGowan, Victoria A.; Soltan, Marina; Gopikrishna, Darmeena; Kolodziejczyk, Katarzyna Z.; Paterson, Kevin B.



Session 5



	<i>Plenary Room: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>
	Attention II	Parafoveal Preview	Detection and Gaze
14:00 - 16:00	What determines where we look: The individual differences approach Pertzov, Yoni; Guy, Nitzan	The impact of uninformative parafoveal masks on L1 and late L2 speakers Fernandez, Leigh B.; Scheepers, Christoph; Allen, Shanley E.M.	Event Detection Algorithms and Data Accuracy Dare, Zoya; Brinkman, Hanna; Mikuni, Jan; Kawabata, Hideaki; Leder, Helmut; Rosenberg, Raphael
	Learning Goal-directed Fixations Zelinsky, Gregory; Chen, Yupei; Ahn, Seoyoung	Eye movements in the parafoveal processing of noun phrases: A return to the word group hypothesis Radach, Ralph; Schwalm, Laura; Inhoff, Albrecht	Improving the state of the art in eye movement event detection via trainable label correction Startsev, Mikhail; Dorr, Michael
	Unlike saccades, quick phases of optokinetic nystagmus are not preceded by shifts of attention Hanning, Nina M.; Deubel, Heiner	Parafoveal Pre-processing in English Children: The Importance of External Letters Milledge, Sara; Blythe, Hazel; Liversedge, Simon	Reading pie-graphs: the influence of top down and bottom up information in multimodal comprehension Dos Santos Rodrigues, Erica; Carvalho Ribeiro, Antonio João; Fernandes, Natália
16:00 - on	Free evening		

🕒 **Wednesday, August 21st**

09:00
-
10:00

Keynote Speaker (Plenary room): Janet Rucker (New York University): *Unraveling Concussion Impact by Impact*

10:00
-
10:30

Cofee Break ☕

Session 6



Room 4: 1st Floor

Room 5: 1st Floor

Room 10: 2nd Floor

Plenary Room: 1st Floor

Symposium 6

Word Recognition

Sentence and Text Processing II

Attention III

10:30
-
12:30

Eye movements during the reading of narrative and poetic text

Arthur, Jacobs; Jana, Lüdtke; Johanna, Kaakinen; Shuwei, Xue; Teresa, Sylvester; Lyn, EEkhof; Lilla, Magyari; Anne, Mangen; Anna, Kuzmicova; Marion, Fechino; Moniek, Kuijpers; Marloes, Mak; Emiel, Van den Hoven; Roel, Willems; Xin, Gao

Linguistic variables modulate where the eyes move regardless of word boundaries: Evidence against word-based eye-movement guidance during reading

Vitu, Françoise; Albregues, Claire; Lavigne, Frédéric; Aguilar, Carlos; Castet, Eric

Effects of Word Predictability on Eye Movements during Arabic Reading

AlJassmi, Maryam; Warrington, Kayleigh; McGowan, Victoria; White, Sarah; Paterson, Kevin

Pupil size reflects exploration and exploitation in visual search (and it's like object-based attention)

Mathôt, Sebastiaan Mathôt; Regnath, Franz



Session 6



	<i>Room 5: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Plenary Room: 1st Floor</i>
	Word Recognition	Sentence and Text Processing II	Attention III
10:30 - 12:30	<p>Reversing reading direction increases precision of eye fixations Chandra, Johan; Krügel, André; Engbert, Ralf</p>	<p>Discourse effects on children and adults' online processing of relative clauses Macdonald, Ross; Serratrice, Ludovica; Brandt, Silke; Theakston, Anna; Lieven, Elena</p>	<p>Assessing the functional link between saccades and covert attention by oculomotor plasticity Judith, Nicolas; Denis, Pélisson; Aurélie, Bidet-Caulet</p>
	<p>Reading for comprehension and skim reading: Effects of word frequency and plausibility Warrington, Kayleigh; Wang, Xiaotong; Paterson, Kevin; Sui, Xue; White, Sarah</p>	<p>Negation and semantic relatedness in eye-tracking-while-reading Mayer, Erika; Staub, Adrian; Dillon, Brian</p>	<p>An ultrafast FIBER fMRI experiment helps in uncovering mechanisms behind ambient and focal modes of gaze behavior Boris M. Velichkovsky; Sebastian Pannasch; Jens R. Helmert; Anastasia N. Korosteleva; Boris B. Velichkovsky; Maxim G. Sharaev; Vadim L. Ushakov;</p>



Session 6



	<i>Room 5: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Plenary Room: 1st Floor</i>
	Word Recognition	Sentence and Text Processing II	Attention III
10:30 - 12:30	The time-course of lexical and semantic effects in derived word recognition: a combined EEG and eye-tracking study Oralova, Gaisha; Boshra, Rober; Schmidtke, Daniel; Connolly, John; Kuperman, Victor	Processing of intralingual subtitles by native and non-native speakers: Influence of mismatches between spoken and written words Van Heuven, Walter; Taylor, Jack	Recency effects emerge from the interplay between visual attention and working memory during a delayed match-to-sample task Balague-Marmaña, Marta; Conesa, Natalia; Dempere-Marco, Laura
	Reading development between high school years and young adulthood Bertram, Raymond; Salmela, Rosa	The processing costs of subordinating and coordinating conjunctions in Brazilian Portuguese: evidence from eye movement data N. Teixeira, Elisangela; P. Dantas, Antonio; Arruda de Souza, Brenda	Eye movements and mental attentional demand in children and adults Bachurina, Valentina; Arsalidou, Marie



Session 6



	<i>Room 5: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Plenary Room: 1st Floor</i>
	Word Recognition	Sentence and Text Processing II	Attention III
10:30 - 12:30	The role of look-backs in processing written sarcasm Olkonieni, Henri; Johander, Eerika; Kaakinen, Johanna	False memories of enriched sentences in context: Evidence from an eye-tracking probe recognition paradigm Antal, Caitlyn; De Almeida, Roberto G.	Fluctuations in pupil size reflect lack of external attention Simola, Jaana; Konishi, Mahiko; Palva, Satu; Smallwood, Jonathan; Palva, Matias
12:30 - 14:00	Lunch 		



Session 7



14:00
-
16:00

<i>Plenary Room: 1st Floor</i>	<i>Room 4: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>
Symposium 7	Oculomotor Behavior	Expertise	Cognition II
<p>Eye movements in developing readers: From basic research to classroom application Spichtig, Alexandra; Folk, Jocelyn; Eskenazi, Michael; Abraham, Ashley; Kirkby, Julie; Babb, Shannon; Reilly, Ronan; Fan, Xi; Laubrock, Jochen; Vorstius, Christian; Radach, Ralph; Lonigan, Christopher; Ferrara, John; Pascoe, Jeffrey; Tousley, Elias</p>	<p>Contrasting gaze-based interaction vs. spontaneous gaze behavior: EEG, MEG and fMRI studies Sergei L., Shishkin; Anatoly N., Vasilyev; Yuri O., Nuzhdin; Ignat A., Dubynin; Eugeny P., Svirin; Anna V., Butorina; Darisy G., Zhao; Bogdan L., Kozyrskiy; Denis G., Malakhov; Vadim L., Ushakov; Alexei E., Ossadtchi; Tatyana A., Stroganova; Boris M., Velichkovsky</p>	<p>Eye Movements Reveal Satisfaction of Search Effects in Proofreading Barach, Eliza; Gloskey, Leah; Sheridan, Heather</p>	<p>On the relationship between fixations and perceptual confidence Stewart, Emma; Schütz, Alexander</p>
	<p>Characterization of natural eye and head movements driving retinal flow MacNeilage, Paul; Sinnott, Christian; Hausamann, Peter</p>	<p>Expertise effects on memory for complex visual search targets: Evidence from eye movements Maturi, Kinnera; Sheridan, Heather</p>	<p>Differences in learning between global and vector-specific saccadic adaptation Cassanello, Carlos; Ostendorf, Florian; Rolfs, Martin</p>



Session 7




14:00
-
16:00

	<i>Room 4: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>
	Oculomotor Behavior	Expertise	Cognition II
	<p>Refixation control and information acquisition at refixations: an EEG-eye movement coregistration study Nikolaev, Andrey; Meghanathan, Radha Nila; Giannini, Marcello; Van Leeuwen, Cees</p>	<p>The perceptual specificity of expertise in music reading: Evidence from eye movements Kleinsmith, Abigail; Sheridan, Heather</p>	<p>Eye blinks increase local field beta activity in visual cortex during a visual task Aiple Franz; Brandt Armin; Blumberg Julie; Reinacher Peter; Kern Markus; Schulze-Bonhage Andreas</p>
	<p>Does increasing orthographic transparency modulate word frequency, length, and predictability effects? An eye-movements investigation of processing Arabic diacritics Hermena, Ehab; Bouamama, Sana; Liversedge, Simon; Drieghe, Denis</p>	<p>Cross-modal music integration in expert memory: Evidence from eye movements Drai-Zerbib Véronique; Baccino Thierry</p>	<p>Nothing to lose? An exploration of eye-movements and the zero effect in risky choice Ludwig, Jonas; Jaudas, Alexander; Achtziger, Anja</p>



Session 7



	<i>Room 4: 1st Floor</i>	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>
	Oculomotor Behavior	Expertise	Cognition II
14:00 - 16:00	<p>Binocular plasticity occurs in adults with multiscale benefits along its time-course, when elicited by double-step paradigm Aurélien Morize; Botao Peng; Dominique Brémond-Gignac; Zoï Kapoula</p> <p>Associations of Age and Sex with Oculomotor Performance in the Rhineland Study Coors, Annabell; Ettinger, Ulrich; Ward, David; Merten, Natascha; Breteler, Monique M.B.</p>	<p>Extrafoveal perception of complex stereometric shapes in novices and experts Dreneva, Anna; Chumachenko, Dmitry; Krichevets, Anatoly; Shvarts, Anna</p> <p>Identifying factors that influence attaining native-like proficiency in L2 speakers of English Nisbet, Kelly; Bertram, Raymond; Erlinghagen, Charlotte; Pieczykolan, Aleksandra; Kuperman, Victor</p>	<p>Perceptual complexity of face stimuli modulates gaze following in old age Fernandes, Eunice G.; Phillips, Louise; Slessor, Gillian; Tatler, Ben</p>
16:00 - 18:00	Poster Session II (from 72 to 142)		
20:30	Gala Dinner at Santa Barbara Castle 		



Thursday, August 22nd

09:00
-
10:00

Keynote Speaker (Plenary room): Antje Nuthmann (University of Kiel, Germany): *On the 'Where' and 'When' of Eye Guidance in Real-World Scenes*

10:00
-
10:30

Coffee Break 

Session 8



Room 4: 1st Floor

Room 10: 2nd Floor

Room 5: 1st Floor

Symposium 8

Oculomotor Dysfunction II

Sentence and Text Processing III

3-D Binocular Motor Control and Health

Kapoula, Zoi; Chaturvedi, Akshay; Daniel, Francois; Morize, Aurélien; Ward, Lindsey; Eggert, Thomas; Sprenger, Andreas

Quality assessment of nystagmus data from eye tracker recordings

Rosengren, William; Nyström, Marcus; Hammar, Björn; Rahne, Markus; Sjødahl, Linnéa; Stridh, Martin

Comparison of eye-movement patterns during reading across scripts and languages: MECO, the Multilingual Eye-Movement Corpus

Kuperman, Victor; Siegelman, Noam

Computational discrimination between natural images based on gaze during mental imagery

Wang, Xi; Holmqvist, Kenneth; Alexa, Marc

Good-enough processing while reading under no-noise and visual-noise conditions

Lopukhina, Anastasiya; Laurinavichyute, Anna; Malyutina, Svetlana

10:30
-
12:30



Session 8




10:30
-
12:30

	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	
	Oculomotor Dysfunction II	Sentence and Text Processing III	
	<p>Retinal disorders related nystagmus Wang, Ping; Yang, Dongsheng; Yue, Yiyi</p>	<p>The time course of emoji processing during reading: Evidence from eye movements Sheridan, Heather; Barach, Eliza; Feldman, Laurie B.</p>	
	<p>Traditional analysis of VOR nystagmus results in weak diagnostic features - A segment-based solution is robust and unmask potential non-linearities H.L. Galiana</p>	<p>Do Readers Skip Predictable Words More than Unpredictable Words in Syntactically Illegal Positions: An Eye-tracking Study Cutter, Michael G.; Martin, Andrea E.; Sturt, Patrick</p>	
	<p>Oculomotor control in children with Posterior Fossa Tumors: eye tracking evidence Shurupova, Marina; Anisimov, Victor; Kasatkin, Vladimir; Karelin, Alexander; Latanov, Alexander</p>	<p>Effects of reading goals on the eye movements of young and older adult readers McGowan, Victoria; Paterson, Kevin; Warrington, Kayleigh; White, Sarah</p>	



Session 8



	<i>Room 10: 2nd Floor</i>	<i>Room 5: 1st Floor</i>	
	Oculomotor Dysfunction II	Sentence and Text Processing III	
10:30 - 12:30	Neural Modelling of Antisaccade Performance of Healthy Controls and Huntington Disease Patients Cutsuridis, Vassilis; Dunn, Matt; Brawn, James; Rosser, Anne; Erichsen, Jonathan	Fixation positions during reading reflect visual sampling strategies Hautala, Jarkko; Loberg, Otto; Leppänen, Paavo	
12:30 - 14:00	Lunch 		



Session 9



Room 4: 1st Floor

Room 5: 1st Floor

Plenary Room: 1st Floor

Room 10: 2nd Floor

Symposium 9

Reading Models II

Visual behavior in real and virtual scenarios

Memory

Eyes Wide Shut: Gaze dynamics without vision

Martinez-Conde, Susana; Buchsbaum Bradley R.; Ghasia, Fatema F.; van Ede, Freek; Macknik, Stephen L.

Readers can identify the meanings of words before looking at them: Evidence from eye movements and re-reading

Schotter, Elizabeth R.; Fennell, Anna Marie

Concealed information revealed by involuntary eye movements on the fringe of awareness in a mock terror experiment

Rosenzweig, Gal; Bonneh, Yoram

How holding an item in visual working memory affects pre-saccadic shift of attention

Casteau, Soazig; Bush, Charlotte; Chalkley, Marie; Rogerson, Natalie; Smith, Daniel

14:00
-
16:00

Orthographic, Phonological and Semantic Preview Benefit for Chinese Children aged 7-8, 8-9, 9-10 and 10-11 Years

Yan, Guoli; Liu, Min; Zhu, Meng; Sainan, Li; Yongsheng, Wang; Liversedge, Simon, P.

Gaze behaviour of experienced and inexperienced beach lifeguards - An in situ study

Pieter Vansteenkiste; Matthieu Lenoir; Jan Bourgois

Verbal working memory load affects fixations duration during visual search

Velichkovsky, Boris



Session 9



14:00
-
16:00

	<i>Room 5: 1st Floor</i>	<i>Plenary Room: 1st Floor</i>	<i>Room 10: 2nd Floor</i>
	Reading Models II	Visual behavior in real and virtual scenarios	Memory
	<p>Preview effects in reading of Chinese two-constituent words and phrases Zang, Chuanli; Du, Hong; Xuejun, Bai; Guoli, Yan; Liversedge, Simon</p>	<p>Gaze Synchrony: A Measure of Gaze Overlap in Multiple Mobile Eye Tracking Garcia Moreno-Esteva, Enrique; Salminen-Saari, Jessica F. A.; Toivanen, Miika; Hannula, Markku S.</p>	<p>Effects of prior knowledge on active vision and memory in younger and older adults Wynn, Jordana; Ryan, Jennifer; Moscovitch, Morris</p>
	<p>Trilingual reading: The effect of cognates, "false friends", and language proficiency Angele, Bernhard; Freitas Pereira Toassi, Pâmela; Slattery, Timothy J.; Nogueira Teixeira, Elisangela</p>	<p>Human Agent Interaction in Virtual Reality: An Experimental Investigation of Deictic Gaze in a Joint Attention Setting Acarturk, Cengiz; Yilmaz, Efecan; Fal, Mehmetcan; Semin, Gun R.</p>	<p>The hippocampus supports binding of visual information across gaze fixations Liu, Zhong-Xu; Rosenbaum, R. Shayna; Ryan, Jennifer D.</p>
	<p>What is the effect of foveal load on preprocessing the upcoming word? Hawelka, Stefan</p>	<p>Investigation of Quiet Eye in Biathlon Hansen, Dan Witzner; Heinrich, Amelie; Cañal-Bruland, Rouwen</p>	<p>Behavioural and pupillometric evidence for feature-specific resources in visual short-term memory Barrett, Doug; Pilling, Michael</p>



Session 9



	Room 5: 1st Floor	Plenary Room: 1st Floor	Room 10: 2nd Floor
	Reading Models II	Visual behavior in real and virtual scenarios	Memory
14:00 - 16:00		Visual attention during online grocery shopping Gidlöf, Kerstin; Holmberg, Nils; Annika, Wallin	Revealing concealed information via eye movements: the promise of the short term memory task Dayan, Oryah chen; Nahari, Tal; Ben-Shakhar, Gershon; Pertzov, Yoni
16:00 - 17:30	Poster Session III (from 143 to 194)		
17:30 - 17:45	Award Ceremony and Farewell (Plenary room)		
17:45 - 18:45	Keynote Speaker (Plenary room): Hamutal Slovin (Bar Ilan University): <i>The effects of fixational eye movements on population responses in V1: from visual to perceptual processing</i>		

POSTER SESSION I

Monday Aug 19 16:00-18:30

Set up poster: Monday Aug 19, from 09:30 am

Take down poster: Tuesday Aug 20, evening

APPLIED RESEARCH I

- 1 Dont Rely on the Pupils: Cognitive load indication in student and expert dentists**
Castner, Nora; Kasneci, Enkelejda; Appel, Tobias; Eder,Thérèse; Richter, Juliane; Scheiter,Katharina; Hüttig, Fabian; Keutel, Constanze
- 2 Eye tracking-based assessment of oculomotor and executive functioning in patients with advanced amyotrophic lateral sclerosis (ALS)**
Aust, Elisa; Pannasch, Sebastian; Graupner, Sven-Thomas; Joos, Markus; Liebscher, Daniel; Linse, Katharina; Hermann, Andreas
- 3 Eye-movements in endoscopic ear surgery: Comparison of 2D and 3D endoscopes**
Niederhauser, Laura; Anschuetz, Lukas; Wimmer, Wilhelm; Yacoub, Abraam; Weibel, David; Mast, Fred; Caversaccio, Marco
- 4 Gender effects in viewing advertising banners on eye movements**
Petružálek, Jan; Šefara, Denis; Franěk, Marek; Meliš, Honza
- 5 Hypervigilance to hostile cues dynamic scenes bullying: An eye tracking study**
Mannan, Sabira
- 6 "Microsaccade supression during antisaccade generation in the Posner cueing paradigm"**
Krasovskaya, Sofia; Kristjansson, Arni; MacInnes, W. Joseph
- 7 Scene Cut Influence on Blinks and Saccades**
Agtzidis, Ioannis; Clifford, Colin; Watson, Tamara; Meyhöfer, Inga; Lappe, Markus; Lencer, Rebekka; Dorr, Michael
- 8 Skilled players control the span of visual spatial attention effectively during anticipation tasks in sports: evidence from microsaccade dynamics**
Kato, Takaaki; Saijo, Naoki; Yoneya, Makoto; Kashino, Makio

-
- 9 The Influence of Culture: Perspective Taking and Scene Perception**
Guo, Yuxuan; Barr, Dale; Pannasch, Sebastian
-
- 10 Time-continuous eye movement analysis in a decision-making task**
Conti, Federica; Montagnini, Anna
-
- 11 Use-dependent plasticity in assistive interfaces: Gaze-typing improves inhibitory control**
Souto, David; Marsh, Olivia; Paterson, Kevin B.
-
- 12 Using Gaze-Derived Measures to Contrast Mental and Physical Rotation Processes**
Bertel, Sven; Wetzel, Stefanie
-
- 13 Viewers Sensitivity to Camera Motion during Saccades in a Virtual Environment**
Keyvanara, Maryam; Allison, Robert
-
- 14 Visual information sampling at the zebra crossing: Gaze behaviour in speed and time-to-arrival judgements**
Sudkamp, Jennifer; Mateusz Bocian; Souto, David
-
- 15 Visual scanning of places and non-places**
Bałaj Bibianna, Strzałkowski Mateusz, Lewicka Maria, Lubiński Alex
-
- 16 Looking at Learning Spaces: Linking Space Properties and Visual Attention**
Rüth, Marco; Seiffert, Nicolas-Alexander; Zimmermann, Daniel; Kaspar, Kai

ATTENTION

-
- 17 The Visual-spatial Attention's Characteristics of Chinese Developmental Dyslexia Children**
Li yutong; Sui xue; Hu jinsheng
-
- 18 Eye-tracking Applications in Aviation: A Selective Literature Review**
Sylvia, Peissl; Christopher D., Wickens; Rithi, Baruah
-
- 19 Attention Shifting during the Reading of Chinese Sentences**
Weilin, Liu; Xingshan, Li; Albrecht Werner, Inhoff
-

-
- 20 “The pupil response to detection and storage of multiple targets in visual search”**
Körner, Christof; Hiebel, Hannah; Brückler, Bettina; Trausner, Nina; Gilchrist, Iain D.; Ischebeck, Anja
-
- 21 Agents versus Avatars: Effects of manipulating the social relevance of gaze-cues on attention and eye-movements**
Silver, Crystal; Scott-Brown, Kenneth
-
- 22 The role of cognitive mindset in physics problem solving**
Piotrowska-Pólrolnik, Malgorzata; Myniec, Agnieszka; Krejtz, Izabela
-
- 23 Eye dominance modulates the spatial coupling between saccade and perception**
Dorine, Vergilino-Perez; Jérôme, Tagu; Marla, Karraz; Karine, Doré-Mazars
-
- 24 Investigating EEG alpha and eye behavior in internally directed cognition**
Ceh, Simon; Annerer-Walcher, Sonja; Körner, Christof; Benedek, Mathias
-
- 25 Individual differences in gaze patterns during risky financial decision-making**
Milligan, Sara; Schotter, Elizabeth
-
- 26 Self-focused attention in social anxiety: a naturalistic eye tracking investigation**
Antolin, Jastine ; Gregory, Nicola; Bolderston, Helen
-
- 27 Visual search in neurodevelopmental disorders**
Canu, Daniela; Ioannou, Chara; Fleischhaker, Christian; Biscaldi, Monica; Klein, Christoph
-
- 28 The development of learned hierarchical attention sets evident in gaze and choice**
Watson, Marcus; Voloh, Benjamin; Naghizadeh, Milad; Womelsdorf, Thilo
-
- 29 Scene Layout Guides Visual Object Searching**
Li, Yong-Jie; Zhan, Teng-Fei; Yang, Kai-Fu
-
- 30 Investigating the relation between gaze following and attentional disengagement**
De Kloe, Yentl; Hessels, Roy; Junge, Caroline; Hooge, Ignace; Kemner, Chantal
-

-
- 31 Effects of disrupted attention in digital reading, an eye tracking study**
Thierry, Baccino; Véronique, Draï-Zerbib
-
- 32 Modelling Attention Shifts During Natural Scene Viewing**
Schwetlick, Lisa; Rothkegel, Lars O. M.; Engbert, Ralf
-
- 33 Statistical learning of alternating priors in a random-walk eye-movement paradigm**
Krügel, André
-
- 34 Boosting oculomotor plasticity through visuospatial attention**
Denis, Pelisson; Judith, Nicolas; Camille, Metais; Aurelie, Bidet-Caulet
-
- 35 Which cues guide visual attention during a conversation?**
Jessica Dawson
-
- 36 Visual span, visual attention span and perceptual span on reading: differences and/or similarities**
Frey, Aline; Meary, David; Bosse, Marie-Line

SENTENCE AND TEXT PROCESSING

-
- 37 Early but not overwhelming: The effect of prior context on word segmentation of overlapping ambiguous strings during Chinese reading**
Huang, Linjieqiong; Li, Xingshan
-
- 38 Adult Age Differences in Word Frequency and Word Predictability Effects in Reading: Evidence from Eye Movements and Fixation-Related Potentials.**
Pagan, Ascension; Degno, Federica; Kirkden, Richard; White, Sarah; Liversedge, Simon; Paterson, Kevin
-
- 39 Processing of adapted texts by secondary schoolchildren with and without speech disorders: An eye-tracking study**
Zubov, Vladislav; Petrova, Tatiana
-
- 40 Examining the role of emoticons in sarcasm comprehension: Evidence from younger and older adults**
Howman, Hannah; Filik, Ruth
-

-
- 41 Eye movement behaviour during reading: Effects of preceding text difficulty**
Balcombe, Faye B.; Slattery, Timothy J.; White, Sarah J.
-
- 42 Preserved syntactic processing in older adulthood: Evidence from eye movements**
Kalsi, Tami; Paterson, Kevin; Filik, Ruth
-
- 43 Undersweep-Fixations and Lexical Processing during Reading in Adults and Children**
Parker, Adam J.; Kirkby, Julie A.; Slattery, Timothy J.
-
- 44 Return-sweep saccades in oral and silent reading**
Adedeji, Victoria I.; Parker, Adam J.; Kirkby, Julie A.; Slattery, Timothy J.
-
- 45 Quantifier comprehension and the hypothesis of visual saliency: eyetracking data in a picture-identification task**
Forster, René; Rodrigues, Erica dos Santos; Corrêa, Leticia Maria Sicuro
-
- 46 Influence of reading skill on word length effect in Fixation related potentials of school aged children**
Loberg, Otto; Hautala, Jarkko; Hämäläinen, Jarmo A.; Leppänen, Paavo H.T.
-
- 47 LexiaD, the first Dyslexia-specific Cyrillic font, decreases mean fixation duration during sentence reading in Russian**
Svetlana, Alexeeva; Golovatyuk Maria
-
- 48 Ambiguity Resolution in Natural Reading**
Kaprielova, Anastasiia; Laurinavichyute, Anna
-
- 49 Eye movements indicate comprehension monitoring in silent and oral reading**
Schwalm, Laura; Vorstius, Christian; Ansari, Ehsan; Radach, Ralph
-
- 50 Effects of contextual constraints on word processing in reading**
Prokopenya, Veronika; Zhukova, Alisa
-
- 51 Japanese Children's Effective visual field in horizontal and vertical reading**
Jincho, Nobuyuki; Mazuka, Reiko
-

52 Effects of Stimulus Quality and Word Frequency during Sentence Reading

Degno, Federica; Soltész, Fruzsina; Hepsomali, Piri; Donnelly, Nick; Liversedge, Simon P.

53 The influence of foveal lexical processing load on parafoveal preview extent in Chinese reading

Zhang, Manman; Liversedge, Simon P.; Zhang, Zhichao; Bai, Xuejun; Zang, Chuanli

SCENE PERCEPTION

54 "Eye movements and additional psychophysiological markers of perceiving text and visual content"

Anisimov, Victor; Kovaleva, Anastasia; Shedenko, Ksenia; Galkina, Natalia; Latanov, Alexander

55 Joint and Self-Focused Attention in Computer-Supported Collaboration - the Role of Gaze Visualisation

Wisiecka, Katarzyna; Mayer, Sven; Schweigert, Robin; Krejtz, Izabela; Nielek, Radosław; Bulling, Andreas; Krejtz, Krzysztof

56 Inhibition of return across multiple tasks and scene flicker

Dovbnyuk, Ksenia; Murzyakova, Nadezhda; Merzon, Liya; MacInnes, W. Joseph

57 Pupillary responses to differences in luminance, color and set size

Oster, Julia; Huang, Jeff; Radach, Ralph; Munoz, Douglas P.

58 Blink rate, -duration and -synchronization during conversation

Mareike, Brych; Fabienne, Schmid; Barbara, Händel

59 Using eye-tracking to investigate differences in teachers' professional vision IN action and ON action

Smidekova, Zuzana; Minarikova, Eva; Janik, Miroslav; Holmqvist, Kenneth

60 Clustering eye movement transitions reveals latent cognitive strategies

Kucharský, Simon; Visser, Ingmar; Truescu, Gabriela-Olivia; Laurence, Paulo; Zaharieva, Martina; Raijmakers, Maartje

61 The horizontal and vertical extensions of the visual span during object search in real-world scenes

Schlachter, Tina Andrea; Nuthmann, Antje

-
- 62 Eye-movement patterns during the perception of complex visual scenes: The comparison of Czech and Taiwanese samples**
Cenek, Jiri; Tsai, Jie-Li; Sasinka, Cenek
-
- 63 Looking freely or not at bodies that evoke (or not) a gravity conflict: gaze pattern and effect on discrimination performance**
Senot, Patrice; Gallis, Quentin; Milisavljevic, Alexandre; Doré-Mazars, Karine; Barra, Julien
-
- 64 Investigation of Change Blindness Phenomenon in Terms of High-Level Scene Perception**
Türkan, Nilay; Yilikci, Osman; Amado, Sonia
-
- 65 Spontaneous eye blinks during ambiguous perception**
Murali, Supriya; Brych, Mareike; Cao, Liyu; Händel, Barbara
-
- 66 The model of psychophysiological mechanisms of vection illusion**
Kovalev, Artem
-
- 67 Visual Search on a Flight-booking Site: Effects of Task Complexity on Search Time, Errors, Eye and Cursor Movements**
Blinnikova, Irina; Burmistrov, Ivan; Grigorovich, Sergey; Zlokazova, Tatiana
-
- 68 The Eye-Tracking Measurement and Cartographic Stimuli**
Lacko, David; Šašinka, Čeněk; Popelka, Stanislav; Stachon, Zdeněk
-
- 69 Detection of Pupillary Light Response in The Remapped Area**
Mikheev, Vladimir ; McInnes, Joseph
-
- 70 The effect of rhythmical violations on the pupillary response in unattended beat perception**
Ciesielski, Krystian; Lovell, George; Scott-Brown, Kenneth
-
- 71 Re-evaluation of luminance evoked pupil response dynamics**
Coutinho, Jonathan; Huang, Jeff; Lefèvre, Philippe; Blohm, Gunnar; Munoz, Douglas
-

POSTER SESSION II

Wednesday Aug 21 16:00-18:30

Set up poster: Wednesday Aug 21, from 09:00 am

Take down poster: Wednesday Aug 21, from 18:00 pm

READING MODELS & WORD RECOGNITION

- 72 Language models can outperform empirical predictability in predicting eye movement data**
Hofmann, Markus; Remus, Steffen; Biemann, Chris; Radach, Ralph
-
- 73 Font matters: efficient adaptation to monospaced vs. proportional fonts is accompanied by effect-size differences for word frequency and predictability**
Jarosch, Julian; Schlesewsky, Matthias; Füssel, Stephan; Kretzschmar, Franziska
-
- 74 Eye movements during reading and cognitive functions in elementary school students**
Korneev, Aleksei; Obukhova, Ekaterina; Akhutina, Tatiana
-
- 75 Bayesian inference of the SWIFT model: Reading mirrored, scrambled, and normal texts**
Rabe, Maximilian M.; Chandra, Johan; Krügel, André; Seelig, Stefan A.; Engbert, Ralf
-
- 76 Ocular strategies analyses during reading through a text comprehension model**
Etienne, Langevin; Guerin-Dugue, Anne; Frey, Aline; Lemaire, Benoît
-
- 77 "The Semantic Transparency Effect and Aging during Chinese Reading: An Eye Movements Study"**
Zhang, Kuo; Chang, Min; Pan, Shasha; Li, Lin; Wang, Jingxin
-
- 78 The influence of context on the English polysemous word processing of Chinese-English L2 users: using visual world paradigm**
Chen, Chiahsing; Chen, Minglei
-
- 79 Are L33T words processed as the original words in the parafovea?**
Fernández-López María; Marcet, ana; Perea, Manuel
-

-
- 80 Compound processing in second language speakers of Finnish**
Salmela, Rosa; Lehtonen, Minna; Bertram, Raymond
-
- 81 Underlining words during sentence reading: To be or not to be**
Perea, Manuel; Massol, Stéphanie; Llorens, Alberto; Costumero, Víctor
-
- 82 Relating foveal and parafoveal processing efficiency with global eye movement parameters in reading**
Heikkilä, Timo T.; Hyönä, Jukka
-
- 83 Taipei Sentence Corpus of Mandarin Chinese: Analysis of an Eye-Tracking Corpus for Age Differences in Reading Chinese sentences**
Tsai, Jie-Li; Lin, Tzu-Hsuan; Chen, I-Ju
-
- 84 Phrasal Order and Ageing: Does the 'Wrong and Right' Order of Phrases Become Irreversible Over Time?**
Barton, Hayley; Paterson, Prof Kevin; McGowan, Dr Victoria
-
- 85 Scanning strategies of visual semantic search in Russian, Japanese and Chinese subjects**
Rabeson, Maria; Izmailkova, Anna; Kirsanova, Sofya; Meliksetian, Anna; Blinnikova, Irina; Raevskiy, Alexandr
-
- 86 Prediction error costs in reading**
Schuster, Sarah; Géciová, Klára; Hutzler, Florian; Hawelka, Stefan
-
- 87 Is there any difference between processings of sortal classifiers and mensural classifiers in Chinese Reading?**
Bai, Xuejun; Feng, Siri; Zhang, Manman
-
- 88 Context effects and spoken word recognition of Chinese: further eye-movement data**
Yip, Michael C. W.

MEMORY & ACTION & GAZE

- 89 Can the solution strategy in different mental-rotation paradigms be identified via eye-movement patterns?**
Claudia, Quaiser-Pohl; Mirko, Saunders
-

-
- 90 The critical temporal delay for gaze-contingent multiresolutional displays to lose the sense of agency and controllability of gaze control**
Kim, Junhui; Yoshida, Takako
-
- 91 Eye-tracking study of processing Russian polycode texts**
Petrova Tatiana; Riekhakaynen Elena
-
- 92 Grammatical gender in German: How do 6-10-year-old children process noun-external gender information in sentences?**
Bürsgens, Annika; Cholewa, Jürgen; Günther, Thomas
-
- 93 Measuring ocular torsion using a low-cost head-mounted eye tracker**
Barsingerhorn, Annemiek; Van de Veen, Demy; Heckman, Jesse; Van Opstal, John
-
- 94 Oculomotor action effect learning in gaze interaction: The role of effect contingency**
Huestegge, Lynn; Riechelmann, Eva
-
- 95 Power-Large and Precision-Small: Decoding Affordance Effects During Visual Search by Eye Movement Analysis**
Hartmann, Matthias
-
- 96 Does priming affect the nasal-temporal free choice bias?**
Johannesson, Omar I.; Tagu, Jérôme; Kristjánsson, Árni
-
- 97 Looking Near and Looking Far: Do humans monitor the exact locations of their actions' future consequences?**
Pfeuffer, Christina U.
-
- 98 Eye-gaze Behaviors in Natural Human-Human and Human-Robot Interactions**
Laohakangvalvit, Tipporn; Jokinen, Kristiina
-
- 99 How brightness affects pupil size and vergence in a VR setting**
Huckauf, Anke; Grabmaier, Christoph; Reininghaus, Sina; Pfeiffer, Thies
-

-
- 100 Gaze based Measurement of Cognitive Load from Multi-tasking with Human-Robot Interaction**
Schneeberger Michael; Lucas Paletta; Martin Pszeida
-
- 101 Eye-tracking in VR setting: implementation for cross-cultural research**
Jurik, Vojtech; Ugwitz, Pavel; Chmelik, Jiri; Smidekova, Zuzana; Sasinka, Cenek
-
- 102 Transposed-Word Effects in Grammaticality Judgements: An Eye-Tracking Study in a Virtual Reality Environment**
Mirault, Jonathan; Guerre-Genton, Agnès; Dufau, Stéphane; Grainger, Jonathan
-
- 103 Visual exploration serves to recapitulate details from autobiographical memory**
Ryan, Jennifer D.; Armson, Michael J.; Levine, Brian
-
- 104 The interplay of eye movements and long-term memory: Using a novel combination of eye tracking and complex span tasks to reveal how eye movements draw on long-term memory**
Lucas, Lörch
-
- 105 Contextual Cueing Effect following Display Rotation: Evidence from Eye Tracking**
Li, Shiyi; Bai, Xuejun; Sun, Hong-jin
-
- 106 The signature of semantic interference on eye-movement in a long-term visual memory task**
Mikhailova, Anastasiia; Raposo, Ana; Della Sala, Sergio; Coco, Moreno I.
-
- 107 Dynamic memory resource allocation to new saccade targets**
Udale Robert; Husain Masud
-
- FACE PERCEPTION & EMOTION**
-
- 108 Musical expertise in a sight-reading task: an eye-tracking study**
Timoshenko, Maria; Nyström, Marcus; Jarodzka, Halszka
-
- 109 Saccadic reaction times in neurodevelopmental disorders**
Klein, Christoph; Canu, Daniela; Ioannou, Chara; Fleischhaker, Christian; Biscaldi, Monica
-

-
- 110 The sense of speed when watching video clips: Behavioural, pupillary, oculomotor and cortical responses**
Gregori-Grgic, Regina; De'Sperati, Claudio
-
- 111 Surveilling the scene: Learning about the world from multiple 2D dynamic views**
Spotorno, Sara; Scott-Brown, Kenneth C.; Shenton, Sophie; Stainer, Matthew J.; Tatler, Benjamin W.
-
- 112 Narrative aesthetic absorption into audiobooks: Acoustics, cross-modal coupling and subjective states are related**
Lange, Elke; Thiele, Dominik; Fink, Lauren; Kuijpers, Moniek
-
- 113 Developing eye-tracking measures of self-regulation in infancy**
Zaharieva, Martina; Colonnesi, Cristina; Rodenburg, Roos; Visser, Ingmar
-
- 114 Oculomotor dominance among multitasking paradigms – the role of temporal overlap in inducing effector system prioritization**
Hoffmann, Mareike A.; Koch, Iring; Huestegge, Lynn
-
- 115 Inhibition of FEF increases errors in task-switching and anti-saccades**
Gorina, Elena; Ardasheva, Liubov; Feurra, Matteo; MacInnes, W. Joseph
-
- 116 Cognitive control of saccadic eye movements. ERP investigation**
Slzvtuskaya, Maria; Karelin, Stanislav
-
- 117 Designer's expert eye: Freshman and Senior Students comparison**
Magalhães, Cláudio Freitas de; Welch, Leslie; Rodrigues, Erica dos Santos; Forster, René; Roque, Monique; Dantas, Sibelius Clausen
-
- 118 Frequency Effects during Reading in Very Skilled Readers**
Lee, Charlotte; Blythe, Hazel; Drieghe, Denis
-
- 119 Detecting pre-learned target triplets in arrays under different word boundary demarcation presentations**
Wang, Mengsi; Liversedge, Simon; Blythe, Hazel
-

120 Inversion effect does not correlate with eye movement's strategies in facial expression recognition

Luniakova, Elizaveta; Gani-zada, Jahan

121 Eye movement strategies in holistic face processing

Pichugina Anna; Menshikova Galina

122 "Fixation-related potentials for refixated faces: Insights from (non)linear deconvolution modelling"

Spiering, Lisa; Sommer, Werner; Dimigen, Olaf

123 Perceiving facial expressions in visual search

Kopachevskaia, Mariia; Menshikova, Galina; Tikhomandritskaya, Olga

124 Eye-tracking and Dilatation of Sadness in relation to the level of Self-criticism – Pilot Study

Strnádlová, Bronislava; Halamová, Júlia; Móro, Róbert; Mitašík, Marek

125 A novel perceptual trait: gaze predilection for faces during visual exploration

Guy, Nitzan; Azulay, Hagar; Kardosh, Rasha; Weiss, Yarden; Hassin, Ran; Salomon, Israel; Pertzov, Yoni

126 The cognition of narcissistic aggression: physiological and behavioural correlates of error-monitoring

Smith, William; Lawrence, Claire; Filik, Ruth; Danielmeier, Claudia

CLINICAL/TRANSLATIONAL

127 A comparison of pre- and postoperative eye movement behaviour in strabismus: challenges and opportunities

Kriebler-Tomantschger, Magdalena; Pokorny, Florian B.; Brandner, Martina; Lindner, Susanne; Bizjak, Bianca; Gaugl, Heike; Frühwirth-Kaspar, Daniela; Lienhart, Anna M.; Steinmair, Karin; Wagner, Helena; Langmann, Andrea; Einspieler, Christa; Marschik, Peter B.; Körner, Christof

128 Distinguishing between impairments of working memory and inhibitory control in cases of early dementia

Crawford, Trevor; Higham, Steve

129 Double-step adaptation in 4 or less session for vergence in adults

Aurélien, Morize; Botao, Peng; Dominique, Brémond-Gignac; Zoï, Kapoula

-
- 130 Exploiting pupil and cortical oscillatory responses to flickering stimuli for decoding shifts of attention in depth**
De'Sperati, Claudio; Gregori-Grgic, Regina; Zovetti, Niccolò; Baroni, Tatiana
-
- 131 Eye movements characteristics as a potential indicator of psychopathology. Experiences from clinical practice**
Kroll, Aleksandra; Danczura, Ewa; Szelepajlo, Michal; Mak, Monika
-
- 132 Eye movements during reading on a computer screen with progressive power lenses**
Concepcion, Pablo; Gonzalez, Amelia; Chamorro, Eva; Cleva, Jose Miguel; Alonso, Jose
-
- 133 "Face scanning pattern of individuals with ASD changes after the treatment of sleep disorder"**
Kato, Masaharu; Toyoura, Makiko; Amagai, Kyoichi; Funabiki, Yasuko; Konishi, Yukuo
-
- 134 Free viewing in neurodevelopmental disorders**
Ioannou, Chara; Canu, Daniela; Fleischhaker, Christian; Biscaldi-Schaefer, Monica; Klein, Christoph
-
- 135 Impaired visual localization across saccades in a patient with parietal lesion**
Cheviet, Alexis; Pisella, Laure; Pélisson, Denis
-
- 136 Interaction between gaze perception and facial emotional processing in Post-Traumatic Stress Disorder Following Paris Terrorist Attacks in November 2015**
Coll, Sélim; Eustache, Francis; Peschanski, Denis; Klein-Peschanski, Carine; Doidy, Franck; Fraisse, Florence; Dayan, Jacques; Gagnepain, Pierre; Laisney, Mickaël
-
- 137 Placebo effects on visual food cue reactivity: an eye-tracking investigation**
Potthoff Jonas; Jurinec Nina; Schienle Anne
-
- 138 Temporal evolution of the objective fixation disparity**
Sanchis-Jurado, Vicent; Pons, Álvaro
-
- 139 The effects of working memory load and ADHD-like traits on image viewing**
Martinez Cedillo, Astrid Priscilla; Dent, Kevin; Foulsham, Tom
-

140 Treatment-induced eye movement responses for Parkinsons disease

Su, Zi H.; FitzGerald, James J.; Antoniadou, Christina A.

141 Visual Object Exploration Processing in Patients with Schizophrenia

Kim, Yeseul; Kim, Taehyun; Choi, Jinyeong; Moon, Sunhyun; Noh, Soo Rim*

142 Visual Scanpaths to Facial Emotions in Patients with Schizophrenia

Noh, Soo Rim; Kim, Yeseul; Moon, Sun Hyun; Kim, Taehyun

POSTER SESSION III

Thursday Aug 22, 16:00-17:30

Set up poster: Thursday Aug 22, from 09:00 am

Take down poster: Thursday Aug 22, from 18:00 pm

MODELLING & DATA ANALYSIS

143 Modeling individual differences in fixational eye movements

Seelig, Stefan; Engbert, Ralf; Sebastian, Reich

144 Spiking neural network models of saccade generation

Kurth, Anno; Senden, Mario; Van Albada, Sacha J.

145 A fully convolutional model of empirical saliency based on deep CNN features

Dubray, David; Laubrock, Jochen

146 Using eye tracking to evaluate the learning performance in text reading

Gao, Hong; Appel, Tobias; Castner, Nora; Kasneci, Enkelejda

147 Recurrence Quantification Analysis and Mental Imagery

Gurtner, Lilla; Bischof, Walter; Mast, Fred

-
- 148 Microstimulation in V1 of behaving monkeys: spatio-temporal patterns in relation to evoked saccades**
Oz, Roy; Edelman-Klapper, Hadar; Nivinsky-Margalit, Shany; Solvin, Hamutal
-
- 149 Robust data smoothing method for fixational eye movements analysis**
Doubrovski, Victor; Garusev, Alexander; Luniakova, Elizaveta
-
- 150 Eye tracking during face-to-face interaction: Does speech affect eye-tracking data quality?**
Holleman, Gijs, Hessels, Roy, Kemner, Chantal, Hooge, Ignace
-
- 151 “Unfold: a toolbox to analyze combined EEG and eye-tracking data with non-linear deconvolution models”**
Ehinger, Benedikt V; Dimigen, Olaf
-
- 152 A new comprehensive Eye-Tracking Test Battery concurrently evaluating the Pupil Labs Glasses and the EyeLink 1000**
Groß, Katharina; Ehinger, Benedikt; Ibs, Inga; König, Peter
-
- 153 An error estimation of 3D-eye-models in eye-tracking protocols – undetected eye movements and the use of standards for cardinal points**
Wagner, Peter; Ehrmann, Klaus; Conrad, Fabian; Bakaraju, Ravi
-
- 154 Predictive signals in eye dynamics?**
Miriam Reiner
-
- 155 Integrating GlassesViewer and GazeCode: an open-source data analysis alternative for mobile eye-tracking**
Benjamins, Jeroen; Hessels, Roy; Niehorster, Diederick
-
- 156 EMDAS: Eye Movement Data Analysis Service**
Hynes, Patrick; Ronan, Reilly
-
- 157 Introducing GEETUP, a large database of mobile eye tracking in a urban environment**
Valsecchi, Matteo; Akbarinia, Arash; Gegenfurtner, Karl
-

-
- 158 Guessing the Line Currently Being Read: Approaches for Offline Recalibration of Eye-tracking Reading Data**
Borges Gamboa, John Cristian; Fernandez, Leigh; Allen, Shanley

SACCADES

-
- 159 Top-down control of saccades requires inhibiting suddenly appearing stimuli**
Wolf, Christian; Lappe, Markus
-
- 160 Does number processing also modulate kinematic parameters of spontaneous saccadic eye movements?**
Karine, Dore-Mazars; Leo Jun, Leroy; Alexandra, Pressigout
-
- 161 The role of microsaccade frequency in peripheral vision**
Dulyan, Lilit G.; MacInnes, W. Joseph; Utochkin, Igor S.
-
- 162 Rendering the invisible visible during microsaccades**
Klanke, Jan-Nikolas; Ohl, Sven; Rolfs, Martin
-
- 163 Perceptual segmentation of auditory streams revealed by involuntary eye movements during fixation**
Rizzuto, Vincenzo; Kadosh, Oren; Bonne, Yoram
-
- 164 Interactions between microsaccades and quick-phases of torsional optokinetic nystagmus**
Otero-Millan, Jorge; Sadeghpour, Shirin
-
- 165 Eye-movement control in the Visual World Paradigm**
Kromina, Anastasia; Lopukhina, Anastasiya; Laurinavichyute, Anna
-
- 166 Saccadic motor command adapts to post-saccadic target representation in pre-saccadic coordinates**
Masselink, Jana; Lappe, Markus
-
- 167 Effects of motivation and dopamine on action selection and decision making**
Hirschbichler, Stephanie; Ibáñez, Jaime; Rothwell, John; Manohar, Sanjay
-
- 168 Age effects on task-related saccadic eye movements**
Stefanova, Miroslava; Bocheva, Nadejda; Genova, Bilyana; Stefanov, Simeon
-

169 Retention of saccadic adaptation induced by reinforcement learning

Céline Paeye

170 Adaptation of voluntary saccades in young children

Lemoine-Lardennois Christelle; Hillairet de Boisferon Anne; Salem-Cherif Wissam; Doré-Mazars Karine; Alahyane Nadia

171 Time course of saccade programming during a saccadic choice task by deconvolution of EEG evoked potentials

Guérin-Dugué, Anne; Entzmann, Léa; Guyader, Nathalie

172 Accurate internal representation of eye position in saccade planning

Lau, Wee Kiat; Maus, Gerrit W.; Collins, Therese

173 Formation of world-centered perception of intra-saccadic motion streaks

Schweitzer, Richard; Watson, Tamara; Balsdon, Tarryn; Rolfs, Martin

174 Saccade-related remapping shapes visual perceptual learning

Laamerad, Pooya; Guitton, Daniel; Pack, Christopher

APPLIED RESEARCH II

175 An Eye-tracking study on the apology text

Nam, Yunju; Hong, Upyong; Chung, Hye Nyoung, Kim, Soojeong

176 Analyzing Japanese English Learners Online English Research Skills Using Eye Tracking

Prichard, Caleb; Atkins, Andrew

177 Native vs. non-native processing of English number agreement: Eye-movement evidence on the attraction effect

Chung, Hyenyeong, Yunju, Nam, Upyong, Hong

178 “EFL Learners Narrative Reading Comprehension Processes on Illustrated Texts with Instructed Guidance: Evidence from Eye Movements”

Hsieh, Ming-Yi; Lin, Sunny, S.J. .

-
- 179 Exploring the effects of sound on students e-book reading behaviors: An eye-tracking based study**
Kao, Yi Ming; Hsieh, Ting Ru; Huang, Xing Yi
-
- 180 Impact of feedback variations in gaze controlled typing**
Helmert, Jens; Graupner, Sven-Thomas; Pannasch, Sebastian
-
- 181 Inferring problem-solving strategies through concurrent think aloud and eye tracking protocols**
Kaszowska, Aleksandra; Wan, Qianwen; Renshaw, Nika T.; McCall, Elizabeth; Panetta, Karen; Taylor, Holly A.
-
- 182 Interactive game-based picture e-books: An eye-tracking based study on problem-solving behavior**
Kao, Gloria Yi-Ming; Wu, C.C.
-
- 183 Recording attention process in a natural lecture with mobile eye tracker: A case study**
Li, Jerry N.C.; Lin, Sunny S.J.
-
- 184 Similarities and differences in eye movements between professors and students during graph reading**
Robbins, Arryn; Pelnar, Holly; Cameron, Leslie
-
- 185 Assessment of Reading Ability using Eye Tracking and Machine Learning**
Öqvist Seimyr, Gustaf; Benfatto Nilsson, Mattias
-
- 186 3D smooth pursuit: Comparison of two detection algorithms adapted for three-dimensional virtual environments**
Zechner, Roland; Freytag, Sarah-Christin
-
- 187 A Retina Inspired Model for High Dynamic Range Images Displaying**
Zhang, Xian-Shi; Yang, Kai-Fu; Li, Yong-Jie
-
- 188 Decoding Users Task From Eye Movement Behavior In Virtual Reality**
Keshava, Ashima; Aumeister, Anete; Krzysztof, Izdebski; König, Peter
-

-
- 189 Different visual explorations between free-viewing and target finding tasks in websites: evidence from temporal analyses of ambient and focal modes**
Milisavljevic, Alexandre; Le Bras, Thomas; Abate, Fabrice; Gosselin, Bernard; Petermann, Coralie; Mancas, Matei; Doré-Mazars, Karine
-
- 190 LibreTracker: A Free and Open-source Eyetracking Software for head-mounted Eyetrackers**
Krause, Andre Frank; Essig, Kai
-
- 191 On coupling of EyeStalker algorithm with USB3.0 camera for affordable eye tracking**
Mikushin, Dmitry; Korotaev, Kirill; MacInnes, William Joseph
-
- 192 SMITE and Titta: toolboxes for creating Psychtoolbox and PsychoPy experiments with SMI and Tobii eye trackers**
Nyström, Marcus; Andersson, Richard; Niehorster, Diederick
-
- 193 Validation of a new tablet-based eye-tracker for oculomotor research**
König, Aylin; Dowiasch, Stefan; Bremmer, Frank
-
- 194 An EEG marker of the intentional smooth pursuit in human-machine interaction**
Zhao, Darisy G.; Vasilyev, Anatoly N.; Kozyrskiy, Bogdan L.; Melnichuk, Evgeniy V.; Isachenko, Andrey V.; Velichkovsky, Boris M.; Shishkin, Sergei L.
-



Venue

Palacio de Congresos de Alicante
Avenida de Dénia, 47. Alicante



Useful Information

Taxi Service: +34 965 10 16 11

Technical Secretariat: +34 933 633 954

Bus: Near the venue you can take lines: 14A, 14B, 23, 23N



Conference Rooms

- Ground Floor: Hospitality Desk
- 1st Floor: Plenary Room, Room 4, Room 5, Exhibition Area, Poster Area
- 2nd Floor: Room 10
- Lunch & Coffees in Poster Area



Gala Dinner

On Wednesday 21st, at 20.30pm - Santa Barbara Castle.

To attend the Gala Dinner, you can take the bus at the following stops:

1. NH Alicante Hotel. México street, 18. Bus arrival at hotel:19.30pm
2. Leuka Hotel, Segura street, 23. Bus arrival at hotel:19.45pm
3. Maya Hotel Alicante, Canónigo Manuel Penalva street, 2.
Bus arrival at hotel:19.55pm



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