ECEM Board Meets 15 min Earlier: Tue, 12.30 pm!

The ECEM board meeting will take place on **Tuesday**, **12.30 pm** – 1.20 pm, instead of 12.45 pm – 1.20 pm, in the *Visitors Room* (indicated by 'VR' on the map and located between the help desk an HS 30).

SMI Programming Competition Finals

Where: *Visitors Room* (indicated by 'VR' on the map and located between the help desk an HS 30)
When: Tuesday during the Poster session, 3.00 – 5.00 pm.

Junpeng Lao, University of Fribourg: iMap 4
> iMap 4 is an open source Matlab toolbox for the statistical fixation mapping of eye movement data, implementing a user-friendly interface that provide straightforward, easy to interpret statistical graphical outputs.

Dimitri Heil, University of Bielefeld: Gaze based browsing (presented by Patrick Renner)
> In the past years the eyes have become more and more important in human-computer interaction. We took the idea of using the eyes to interact with the computer and applied it to navigating through the internet. Using our gaze-based browsing extension, users can surf the internet without the need to use a mouse or keyboard. They can scroll through the news, just like reading a newspaper, read some articles or look something up all by just gazing at the screen.

Matt Dunn, Cardiff University: EyeTrace2Movie
> Two-dimensional eye traces are an abstract way of viewing eye movements. When assessing oculomotor pathology, it can be difficult to imagine what the eye movements actually looked like clinically, based solely on the eye trace. This lightweight app provides a useful way of converting an eye trace back into a view of the patient. It reads in an eye trace file (one or two-dimensional; monocular or binocular), and converts it into a movie file of an animated pair of eyes, with the original eye traces shown below for reference.

Changes to the Schedule

The changes listed on the following pages also available at all online resources:

ECEM website http://ecem2015.univie.ac.at/about-ecem-2015/conference-programme/

ConfTool https://www.conftool.pro/ecem2015/

ECEM App https://guidebook.com/browse/
> for details about how to access the App see p. 16 of the programme booklet.

Monday, Talk Session 2, in HS 32: 1.20 am - 3.00 am

Thematic session
Microsaccades

HS 32   Chair: Shlomit Yuval-Greenberg

1.20 pm	Monocular microsaccades reflect eye dominance *Josselin Gautier, Harold Bedell*
~~1.40 pm~~	~~Revising the link between microsaccade direction and the spatial cueing of attention~~ ~~*Susann Meyberg, Petra Sinn, Ralf Engbert, Werner Sommer*~~ CANCELLED
2.00 pm	Visual categorization boosts microsaccade rate *Yingdi Liu, Junpeng Lao, Nicolas Ruffieux, Françoise Colombo, Sébastien Miellet, Roberto Caldara*
2.20 pm	The interdependence of microsaccades and its modulation by the visual context *Shlomit Yuval-Greenberg, Roy Amit*
2.40 pm	Are microsaccade amplitudes overestimated in modern studies? *Richard Andersson, Dan Witzner Hansen, Ignace T. C. Hooge, Marcus Nyström*

Tuesday, Talk Session 1, in HS 32: ~~8.50 am~~ 9.10 am - 10.30 am

Thematic session
Eye movements and reading: Influences of higher cognition

HS 32   Chair: Marlit Annalena Lindner

~~8.50~~ 9.10 am	Mass measurement of fixation behaviours and audience nature in a realistic educational setting *Richard Shillcock, Cara Wase*
~~9.10~~ 9.30 am	Unraveling the Multimedia Effect in Testing: How Representational Pictures Affect Schoolchildren's Processing of Multiple-Choice Questions *Marlit Annalena Lindner, Olaf Köller*
~~9.30~~ 9.50 am	Eye movements during the recollection of text information reflect content rather than the text itself *Franziska Traub, Roger Johansson, Kenneth Holmqvist*
~~9.50 am~~	~~Verbal working memory load does not constrain parallel language activation in bilinguals : Evidence from a visual world eye tracking study~~ ~~*Seema Prasad, Ramesh Mishra*~~ CANCELLED
10.10 am	Comparison of Scanpaths Using Multimatch Algorithm – Influence of Affect, Photo Content, and Individual Differences *Maksymilian Bielecki, Domaradzka Ewa, Zakrzewska Marta*

Tuesday, Talk Session 3, in HS 31: 5.00 pm - 6.40 pm

Thematic session

Eye movements: Neurophysiology and EEG

HS 31		Chair: Andrey Nikolaev

~~5.00 pm~~	~~Pre-target activity of V1 linked to occurrence of express latency saccades~~ ~~Kayeon Kim, Choongkil Lee~~ CANCELLED	
~~5.20~~ 5.00 pm	Saccadic Eye Movements and Neural Correlates Involved during Letter and Object Naming Speed Tasks *Noor Z. Al Dahhan, Donald C. Brien, John R. Kirby, Douglas P. Munoz*	
~~5.40~~ 5.20 pm	Expecting a Surprise? EEG Signal Dynamics in Unrestricted Natural Visual Search *Alexander Varatharajah, Juan E. Kamienkowski, Lisandro N. Kaunitz, Mariano Sigman, Rodrigo Quian Quiroga, Matias J. Ison*	
~~6.00~~ 5.40 pm	Simultaneous processing of EEG and eye movements in free viewing behavior *Andrey R. Nikolaev, Cees van Leeuwen*	
~~6.20~~ 6.00 pm	The effect of secondary cognitive task demand on fixation event related potentials (fERPs) during a hazard perception task *Steven W. Savage, Benjamin W. Tatler, Douglas D. Potter*	

Thursday, Talk Session 1, in HS 32: ~~8.50 am~~ 9.10 am - 10.30 am

Thematic session

Mobile eye-tracking: Tools and findings

HS 32		Chair: Charlotte A. Riggs

~~8.50~~ 9.10 am	Rummage Searching for Targets by Individuals, Teams and Experts *Charlotte A. Riggs, Carl M. Mann, Hayward J. Godwin, Sarah Smith, Michael Boardman, Simon P. Liversedge, Nick Donnelly*	
~~9.10~~ 9.30 am	Do it yourself! Active object handling leads to faster search times. *Dejan Draschkow, Melissa Le-Hoa Võ*	
~~9.30~~ 9.50 am	Automatic Analysis of a Mobile Dual Eye-Tracking Study on Joint Attention *Patrick Renner, Thies Pfeiffer, Nadine Pfeiffer-Leßmann*	
~~9.50 am~~	~~GazeVideoAnalyzer – A Modular Approach Towards Automatic Annotation of Gaze Videos using Robust Object Recognizers~~ ~~Kai Essig, Dato Abashidze, Thomas Schack~~ CANCELLED	
10.10 am	Application of Markov chains in the analysis of data acquisition process in ship simulator environment *Bartosz Muczynski, Maciej Gucma*	

Monday, Posters, 3.00 pm - 5.00 pm

Cognitive influences

~~Mon-11~~ ~~Some features of perception of media creolized texts~~   CANCELLED
~~*Elina Bulatova, Olga Lomtatidze*~~

Mon-11 Patterns of L1-L3 and L2-L3 cognate facilitation in multilingual speakers during sentence
       reading   Previously: Friday, Posters, Fri-51
       Agnieszka Lijewska

Vergence

Mon-62 Temporal visual function in infantile nystagmus   Previously: Tuesday, Posters, Tue-42
       Matt James Dunn, Jonathan Thor Erichsen

Tuesday, Posters, 3.00 pm - 5.00 pm

Visual influences

~~Tue-42~~ ~~Temporal visual function in infantile nystagmus~~   Moved to: Monday, Posters, Mon-62
~~*Matt* James Dunn, Jonathan Thor Erichsen~~

Tue-42 Normalized eye movement metrics across motor simulation states: a difference of per-
       spective?   Previously: Friday, Posters, Fri-26
       Sheree Ann McCormick, Nicholas Costen, Paul Holmes

Visual search

~~Tue-42~~ ~~Temporal visual function in infantile nystagmus~~   Moved to: Monday, Posters, Mon-62
~~*Matt* James Dunn, Jonathan Thor Erichsen~~

~~Tue-58~~ ~~Eyes movement in the visual semantic search~~   Moved to: Friday, Posters, Fri-4
~~*Irina Blinnikova, Anna Izmalkova, Natalia Rotova*~~

Tue-58 Applying eye tracking technologies in foreign language vocabulary learning studies
       Anna Izmalkova, Irina Blinnikova   Previously: Friday, Posters, Fri-4

Tue-62 Dominant eye vs. Cyclopean eye in gaze interface tracking   Previously: Friday, Posters, Fri-3
       Michael Wagner, Tomer Elbaum, Assaf Botzer

Thursday, Posters, 3.00 pm - 5.00 pm

Social influences

Thu-61 ~~Sexually motivated attention and decision making~~   CANCELLED
       ~~Anna~~ ~~Kathryn Oostendorp, Hugo M. Kehr~~

Friday, Posters, 1.30 pm - 3.30 pm

Applications

Fri-3 ~~Dominant eye vs. Cyclopean eye in gaze interface tracking~~   Moved to: Tuesday, Posters,
      Tue-62
      ~~Michael Wagner, Tomer Elbaum, Assaf Botzer~~

Fri-4 ~~Applying eye tracking technologies in foreign language vocabulary learning studies~~
      ~~Anna Izmalkova, Irina Blinnikova~~   Moved to: Tuesday, Posters, Tue-58

Fri-4 Eyes movement in the visual semantic search   Previously: Tuesday, Posters, Tue-58
      Irina Blinnikova, Anna Izmalkova, Natalia Rotova

Biological influences

Fri-26 ~~Normalized eye movement metrics across motor simulation states: a difference of~~
       ~~perspective?~~   Moved to: Tuesday, Posters, Tue-42
       ~~Sheree~~ ~~Ann McCormick, Nicholas Costen, Paul Holmes~~

Influences of individual differences

Fri-36 ~~Which aspects are important to elicit gaze following in typically developing infants?~~
       ~~Lise Van~~ ~~Schuerbeeck, Marijke A.K.A. Braeken, Jean Steyaert, Raf Meesen,~~   CANCELLED
       ~~Marleen Vanvuchelen~~

Reading

Fri-51 ~~Patterns of L1-L3 and L2-L3 cognate facilitation in multilingual speakers during~~
       ~~sentence reading~~   Moved to: Monday, Posters, Mon-11
       ~~Agnieszka Lijewska~~