



5th Summer School

IRTG/CREATE – The Brain in Action

Collegium Glashütten
June 24 – 28, 2018



Program of the IRTG Summer School 2018

Venue: Collegium Glashütten, Wüstemser Str. 1, 61479 Glashütten-Oberems,
Tel: +49 06082-20-0

June 24, 2018 <i>Sunday</i>	until 16:00	Arrival
	16:00 – 18:00	Student Advisory Committee Meetings
	18:00 – 19:30	Dinner
	19:30 – 20:30	Welcome and Keynote Lecture <u>Denise Henriques</u> , York U, Canada Where's my hand? Afferent and efferent signals of hand position in visuomotor adaptation
June 25, 2018 <i>Monday</i>	07:00 – 09:00	Breakfast
	09:00 – 09:30	<u>Mareike Pazen</u> , Marburg U, Germany Prediction of indirect action consequences
	09:30 – 10:00	<u>Lindsey Fraser</u> , York U, Canada Anticipated movement consequences modulate tactile suppression in a temporally sensitive way
	10:00 – 10:30	<u>Tom Nissens</u> , Giessen U, Germany Influence of visual and tactile distractors on eye and hand movements
	10:30 – 11:00	Coffee/Tea Break
	11:00 – 11:30	<u>Bianca Baltaretu</u> , York U, Canada Investigating the influence of perceptual grouping on the allocentric weight effect for goal-directed reaching
	11:30 – 12:00	<u>Jakob Schwenk</u> , Marburg U, Germany EEG as a window into the brain in humans and non-human primates
	12:00 – 13:30	Lunch
	13:30 – 14:00	<u>Maria Ayala</u> , York U, Canada Do movement sequences and consequences facilitate dual adaptation to opposing visuomotor rotations?
	14:00 – 14:30	<u>Julia Bachmann</u> , Giessen U, Germany Effects of Visual and Pictorial Space on Emotion Recognition
	14:30 – 15:00	<u>Ben Cuthbert</u> , Queen's U, Canada Strategic working memory performance may confound the interpretation of cumulative task statistics
	15:00 – 15:30	Coffee/Tea Break
	15:30 – 16:00	<u>Benjamin Knopp</u> , Marburg U, Germany Minimizing free energy for simultaneous movement segmentation and movement primitive extraction
	16:00 – 16:30	<u>Lukas Uhlmann</u> , Marburg U, Germany The role of self-other distinction in action-feedback monitoring
	16:30 – 17:00	Introducing next week's speaker Jeroen Smeets (Parisa)
	17:00 – 18:00	Student Advisory Committee Meetings

18:00 – 19:30 **Dinner**

June 26, 2018
Tuesday

07:00 – 09:00 **Breakfast**

09:00 – 09:30 **Julia Morris**, Queen's U, Canada

Saccadic eye movements in patients with REM sleep behavior disorder – Possible markers in prodromal Parkinson's disease

09:30 – 10:00 **Alexander Göttker**, Giessen U, Germany

The influence of saccadic eye movements on perception and action

10:00 – 10:30 **Brandon Caie**, Queen's U, Canada

HD-tDCS over right frontal eye field biases expectation in a free choice saccade task

10:30 – 11:00 **Coffee/Tea Break**

11:00 – 11:30 **Shiavash Eftekharifar**, Queen's U, Canada

Contribution of stereopsis and motion parallax to fear response in the pit room environment

11:30 – 12:00 **Zijan (Fabio) Lu**, Giessen U, Germany

The role of allocentric reference frame in online reaching movement

12:00 – 13:30 **Lunch**

13:30 – 14:00 **Constanze Schmitt**, Marburg U, Germany

Processing of visually simulated self- motion in humans: EEG and TMS

14:00 – 14:30 **Janis Kan**, Queen's U, Canada

Reliable and unreliable reward predicting distractors did not differ in attentional capture in a visual search task

14:30 – 15:00 **Hossein Abbasi**, Marburg U, Germany

Investigating neurophysiological correlates of joint action

15:00 – 15:30 **Coffee/Tea Break**

15:30 – 16:00 **John Jong-Jin Kim**, York U, Canada

Keeping track of objects during self-motion

16:00 – 16:30 **Lina Klein**, Giessen U, Germany

Neural correlates of human visual grasping

16:30 – 18:00 **Student Advisory Committee Meetings**

18:00 – 19:30 **Dinner**

19:30 – 20:30 **Meeting of the Joint Directorate**

June 27, 2018
Wednesday

07:00 – 09:00 **Breakfast**

09:00 – 09:30 **Christoph Lenk**, Giessen U, Germany

The influence of binocular disparity on size perception in virtual reality

09:30 – 10:00 **Saeed Ghorbani**, Queen's U, Canada

Model-based estimation of body shape and pose from sparse sensory data

- 10:00 – 10:30 **Gloria Gehb**, Giessen U, Germany
The relation between locomotion and spatial cognition
- 10:30 – 11:00 ***Coffee/Tea Break***
- 11:00 – 11:30 **Jonathan Coutinho**, Queen’s U, Canada
Modelling the control and dynamics of pupillary size modulations
- 11:30 – 12:00 **Adrian Schütz**, Marburg U, Germany
Self-motion processing in humans and non-human primates (NHPs)
- 12:00 – 13:30 ***Lunch***
- 13:30 – 14:00 **Margaritha Maltseva**, Western U, Canada
How do different visual areas represent and weigh visual cues to size and distance of real-world objects?
- 14:00 – 14:30 **Özlem Sensoy**, Giessen U, Germany
The influence of size on infants’ exploration behavior
- 14:30 – 15:00 **Shanaathanan Modchalingam**, York U, Canada
Awareness during adaptation does not affect predicted and perceived sensory consequences of hand motion
- 15:00 – 19:00 ***Key skills course***
- 19:00 – 22:00 ***Dinner***

June 28, 2018
Thursday

- 07:00 – 09:00 ***Breakfast***
- 09:00 – 09:30 **Miriam Steines**, Marburg U, Germany
Group membership modulates activation in an emotional production-perception network
- 09:30 – 10:00 **Chad Vachon**, York U, Canada
Changes in cognition and hand estimates associated with visuomotor learning in aging
- 10:00 – 10:30 **Meaghan McManus**, York U, Canada
The neural correlate of size constancy measured with SSVEP in Virtual Reality
- 10:30 – 11:00 ***Coffee/Tea Break***
- 11:00 – 11:30 **Parisa Abedi Khoozani**, Queen’s, Canada
Uncertainty in coordinate transformations affects obstacle avoidance
- 11:30 – 12:00 **Harun Karimpur**, Giessen U, Germany
The integration of allocentric information in memory-guided reaching based on object semantics
- 12:00 – 13:30 ***Lunch***
- 13:30 – 14:30 ***Keynote Lecture***
Rob Allison, York U, Canada
Perception of stereoscopic 3D media in Real and Virtual space
- 15:00 ***Departure***
Canadian participants are offered to stay until June 29, 2018