



## SFB-TRR 135 - Retreat

Monday 8 – Thursday 11 October, 2018

University of Giessen & Hotel Dolce – Bad Nauheim

Elvis-Presley-Platz 1 (GPS: Terrassenstraße), 61231 Bad Nauheim

[www.dolcebadnauheim.com](http://www.dolcebadnauheim.com)

### Monday, October 8<sup>th</sup> Modeling Workshop

Time University of Giessen, Otto-Behaghel-Str. 10F, 35394 Giessen, Room 341

10:00 Pascal Mamassian: *Techniques of computational modelling in vision sciences*

12:00 Lunch

13:00 Wolfgang Einhäuser-Treyer: *Modeling gaze*

13:30 Roland Fleming: *Deep learning approaches to modeling*

14:30 Coffee break and discussion

15:00 Dominik Endres: *Modeling primitives in perception and movement*

15:30 Knut Drewing: *Kalman filtering applications in perception*

**16:30 Travel to retreat venue Hotel Dolce in Bad Nauheim**

17:30 Pascal Mamassian: *Keynote*

19:00 Dinner

### Tuesday, October 9<sup>th</sup> Valuation

Time Hotel Dolce – Bad Nauheim

9:00 B1: Bianca Wittmann *The interaction of visual and motivational salience in natural-scene perception*

9:30 B2: Alexander Schütz *Control of eye movements by informational value*

10:00 B3: Anna Schubö *Determining priority in visual selection*

10:30 Coffee break

11:00 B4: Wolfgang Einhäuser-Treyer *Effects of informational value on perception and attention in associative learning: part A*

11:30 B4: Harald Lachnit *Effects of informational value on perception and attention in associative learning: part B*

12:00 B5: Jutta Billino *Value-based modulation of perception and action across the adult life span*

12:30 Lunch

14:00 B6: Hermann Müller, Lisa Maurer, Mathias Hegele *Predictive Error Perception: Neural correlates and development in complex motor tasks*

14:30 XI: Christoph Mulert

15:00	X2: Benjamin de Haas
15:30	Coffee break
16:00	Cooperation projects
19:00	Dinner
	Evening discussions: Plans for current funding phase

### Wednesday, October 10<sup>th</sup> Prediction

Time	Hotel Dolce – Bad Nauheim
9:00	A1: Karl Gegenfurtner, Doris Braun <i>Prediction of position and motion during saccadic and smooth pursuit eye movements: psychophysics</i>
9:30	A1: Frank Bremmer <i>Prediction of position and motion during saccadic and smooth pursuit eye movements: physiology</i>
10:00	A2: Frank Bremmer <i>Predictive encoding of self-motion information in the primate brain</i>
10:30	Coffee break
11:00	A5: Knut Drewing <i>Serial integration and the control of exploratory movements in active touch</i>
11:30	A7: Gudrun Schwarzer, Bianca Jovanovic <i>How motor experiences shape infants' predictive visual spatial abilities: Specifying the mediating processes</i>
12:00	A8: Matteo Valsecchi <i>Prediction, prediction error and learning in peripheral vision</i>
12:30	Lunch
14:00	A3: Tilo Kircher, Benjamin Straube <i>Predictive perception: multisensory consequences of one's own actions</i>
14:30	A4: Katja Fiehler <i>Predictive somatosensory signals during goal-directed movements</i>
15:00	X3: Katja Dörschner
15:30	Coffee break
16:00	INF project: Open Science workshop
19:00	Dinner
	Evening discussions: Ideas for the next funding phase

### Thursday, October 11<sup>th</sup> Categorization

Time	Hotel Dolce – Bad Nauheim
9:00	C1: Roland Fleming <i>Visual Categorization and Prediction of Deformable Materials</i>
9:30	C2: Karl Gegenfurtner <i>On the origin of color categories</i>
10:00	C7: Melissa Vö <i>Scene context effects on semantic object categorizations</i>
10:30	Coffee break
11:00	C3: Gudrun Schwarzer <i>The development of the interplay of verbal and facial information in emotion categorization: part A</i>
11:30	C3: Christina Kauschke <i>The development of the interplay of verbal and facial information in emotion categorization: part B</i>
12:00	C6: Dominik Endres, Alexander Schütz <i>Perception of Modular Movement Primitives</i>
12:30	Lunch & departure