

PRELIMINARY PROGRAM

ZIF CLOSING CONFERENCE

Enabling flexible behavior: From frameworks to mechanisms and complete systems

Convenors: Prof. Dr. Werner Schneider (Bielefeld, GER)
Prof. Dr. Helge Ritter (Bielefeld, GER)

Coordination: Josefine Albert (Bielefeld, GER)
Shiau-Chuen Chiou (Bielefeld, GER)

31 August – 3 September 2021

MONDAY, 30 AUGUST

19:00 Reception

TUESDAY, 31. AUGUST

9:00 – 9:15 Welcome by Véronique Zanetti (ZiF Executive Director)

9:15 – 9:30 Conference overview: Werner Schneider and Helge Ritter (Bielefeld University)

Session I: Enabling flexible behavior: Active sampling

9:30 – 10:15 Jacqueline Gottlieb (Columbia University): **The neural basis of information demand**

10:15 – 11:00 Stefan Pollmann (Otto-von-Guericke University, Magdeburg): **Interaction of eye movements and (working) memory for search in incidentally learned configurations**

11:00 – 11:30 *Coffee/tea break*

11:30 – 12:15 Andrew Hollingworth (University of Iowa): **Structural constraints on the guidance of attention from visual working memory**

12:15 – 13:00 Katherine Kuchenbecker (Max Planck Institute for Intelligent Systems, Tübingen): **Touch perception for telerobotic and robotic systems**

13:00 – 14:30 *Lunch at ZiF*

14:30 – 16:00 **Small group discussion**

16:00 – 16:30 *Coffee/tea break*

16:30 – 17:30 **General discussion**

18:00 *Dinner*

WEDNESDAY, 1 SEPTEMBER

Session II: Enabling flexible behavior: Learning & decision making

9:00 – 9:45 Michael Beetz (University of Bremen): **tba**

9:45 – 10:30 Katharina Schwarz (University of Würzburg): **Evaluating action decisions: How individual and situational aspects shape the sense of agency**

10:30 – 11:00 *Coffee/tea break*

11:00 – 11:45 Marc Toussaint (Technical University of Berlin): **tba**

11:45 – 12:30 Andrew Wikenheiser (University of California, Los Angeles): **tba**

12:30 – 14:30 *Lunch at ZiF*
Poster session

14:30 – 16:00 **Small group discussion**

16:00 – 16:30 *Coffee/tea break*

16:30 – 17:30 **General discussion**

18:00 *Dinner*

THURSDAY, 2 SEPTEMBER

Session III: Enabling flexible behavior: Cognitive maps, event models, and working memory

9:00 – 9:45 Charan Ranganath (University of California, Davis): **tba**

9:45 – 10:30 Mona Garvert (Max Planck Institute for human cognitive and brain sciences, Leipzig): **Multi-dimensional cognitive maps adaptively guide reward generalisation**

10:30 – 11:00 *Coffee/tea break*

11:00 – 11:45 Werner Schneider (Bielefeld University): **Guidance of environmental sampling by a cognitive map and working memory: A situation model perspective/two systems perspective**

11:45 – 12:30 Yulia Sandamirskaya (Intel Labs, Munich): **tba**

12:30 – 14:30 *Lunch at ZiF*
Poster session

14:30 – 16:00 **Small group discussion**

16:00 – 16:30 *Coffee/tea break*

16:30 – 17:30 **General discussion**

18:00 *Dinner*

FRIDAY, 3 SEPTEMBER

Session IV: Enabling flexible behavior: Cognitive architectures & complete systems

9:00 – 9:45 Giulio Sandini (Italian Institute of Technology, Genoa): **tba**

9:45 – 10:30 Holk Cruse & Malte Schilling (Bielefeld University): **Flexibility in reactive and cognitive systems**

10:30 – 11:00 *Coffee/tea break*

11:00 – 11:45 Helge Ritter (Bielefeld University): **Situations - what do we need?**

11:45 – 12:30 Lucia Melloni (Max Planck Institute for Empirical Aesthetics, Frankfurt am Main): **Making the hard problem of consciousness easier**

12:30 – 12:45 Outlook: Helge Ritter and Werner Schneider (Bielefeld University)

12:45 – 14:30 *Lunch at ZiF*
Poster session

14:30 – 15.15 **Small group discussion**

15.15 – 16:00 **Final discussion**

16:00 – 16:30 *Coffee/tea break*

16:30 – 18:00 *Joint hiking trip to the restaurant*

18:00 *Self-paid dinner at the restaurant "Rosenhof"*