

**ZiF RESEARCH GROUP WORKSHOP**  
**COGNITIVE BEHAVIOR OF HUMANS, ANIMALS, AND MACHINES:**  
**SITUATION MODEL PERSPECTIVES****Memory for flexible context-sensitive thought and action**

Organizers: Werner Schneider (Bielefeld, GER), Helge Ritter (Bielefeld, GER), and Rebecca Foerster (Bielefeld, GER)

**10 – 11 December 2019****MONDAY, 9 DECEMBER 2019**

19.00            Opening reception in the Fellow room (pretzels, nuts, and drinks)

**TUESDAY, 10 DECEMBER 2019**

9.15 – 9.30    Introduction

9.30 – 10.10   Werner Schneider (Bielefeld): **Interfacing perception and memory for action control**

10.10 – 10.50 Tobias Bast (Nottingham): **Beyond memory: hippocampo-prefrontal/subcortical interactions**

10.50 – 11.20 *Coffee/tea break*

11.20 – 12.00 Svenja Brodt (Tübingen): **Rapid formation of neocortical memory engrams – implications for systems consolidation**

12.00 – 12.40 Thomas Martinetz (Lübeck): **Boosting memory consolidation during sleep**

12.40 – 14.30 *Lunch at ZiF*

14.30 – 15.10 Michael Beetz (Bremen): **Models of situations and robot memories based on hybrid AI knowledge representation and reasoning methods**

15.10 – 15.50 Iris Wiegand (Bielefeld): **Extended search in aging**

15.50 – 16.20 *Coffee/tea break and cake*

16.20 - 17.00 Brad Postle (Wisconsin): **Mechanisms for prioritization in working memory**

17.00 – 18.00 **Poster session**

18.00 – 20:00 *Dinner at the ZiF*

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**WEDNESDAY, 11 DECEMBER 2019**


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- 9.30 – 10.10 Ed Vogel (Chicago): **Neural dynamics of distraction in working memory**
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- 10.10 – 10.50 Heinrich René Liesefeld & Martin Constant (München): **The role of saliency for visual working memory in cluttered scenes**
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- 10.50 – 11.20 *Coffee/tea break*
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- 11.20 – 12.00 Shiau-Chuen Chiou (Bielefeld): **Working memory for whole-body movement sequences**
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- 12.00 – 12.40 Klaus Oberauer (Zürich): **Working memory and long-term memory**
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- 12.40 – 14.30 *Lunch at ZiF*
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- 14.30 – 15.10 Mark D’Esposito (Berkeley): **Where is the “top” in top-down control?**
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- 15:10 – 16:00 General Discussion - Rebecca Foerster, Helge Ritter, & Werner Schneider (Bielefeld)
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- 16.00 – 16.30 *Coffee/tea*
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- 17.00 *Dinner (self-paid) at “Der Koch” (Rolandstraße 15, 33615 Bielefeld)*
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**Talk chairs:**

Kathrin Finke (Jena), Giulio Sandini (Genova), & Nina Hanning (München)

**Poster session on Tuesday 17.00 – 18.00 (presenting authors are underlined)**

1. Olivier Bertrand & Charlotte Doussot: **Flying through the world in the quest for food: navigational challenges faced and addressed by bumblebees**
2. Cora Fischer, Stefan Czoschke, Benjamin Peters, Benjamin Rahm, Jochen Kaiser, & Christoph Bledowski: **Context information supports serial dependence of multiple visual objects across memory episodes**
3. Mona M. Garvert, Nicolas W. Schuck, Christian W. Doeller: **Organising knowledge for value generalisation**
4. Nina Hanning & Heiner Deubel: **Separate effects of eye and hand movements on visual working memory**
5. Corinna Osterbrink & Arvid Herwig: **Transsaccadic prediction of real-world objects**
6. Lihui Wang, Florian Baumgartner, Falko R. Kaule, Michael Hanke & Stefan Pollmann: **Representation of face- and house-specific eye movement patterns in FFA and PPA**
7. Christian H. Poth & Werner X. Schneider: **Working memory content affects the speed of vision**
8. Sebastian Schindler, Ria Vormbrock, & Johanna Kissler: **Social context both enhances and biases memory for self-relevant information**