

Hanse-Wissenschaftskolleg  
Institute for Advanced Study

Workshop

# Toward Open and Robust Neuroimaging

*Uncovering Researchers' Degrees of Freedom and Providing  
Community Solutions for Their Handling*

*Topic 2: Analysis of EEG-data*

Delmenhorst, 04.-06. March 2024

**Organizer:**

Andrea Hildebrandt, Carsten Gießing,  
Stefan Debener, Christiane Thiel

**Funded by:** HWK & German Research Foundation (DFG)

**Venue:**


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Program

## 4 March 2024 – Day 1

- 12:30 – 13:00      **Arrival at the HWK and introduction**  
**Joint session with topic 1: Welcome, objectives and getting to know each other**  
*Chair: Andrea Hildebrandt*
- 13:00 – 14:00      **LUNCH**
- 14:00 – 15:00      **Discussion – Individual preprocessing pipelines**  
*Facilitator: Stefan Debener*
- 15:00 – 16:00      **Presentation and discussion – Preprocessing choices for mobile EEG: results from a literature review and an expert survey**  
*Presenter: Nadine Jacobsen*
- 16:00 – 16:30      **COFFEE BREAK**
- 16:30 – 18:30      **HYBRID Presentation and discussion – How complex should mobile EEG preprocessing be?**  
*Presenter: Arnaud Delorme; Facilitator: Nadine Jacobsen*
- 16:30 – 20:00      **DINNER AND LEAVE TO HOTEL**

## 5 March 2024 – Day 2

- 10:00 – 10:30      **Joint session with topic 1: On replication terminology and replication success criteria**  
*Presenter: Andrea Hildebrandt*
- 10:30 – 11:30      **Workshop – What is replication: Agreeing on replication terminology and replication success criteria**  
*Facilitator: Andrea Hildebrandt*
- 11:30 – 12:00      **COFFEE BREAK**

## 5 March 2024 – Day 2

- 12:00 – 13:00      **Presentation and discussion – Application of mobile EEG: perception, attention, and motion**  
*Presenters: Agatha Lenartowicz, Barbara Händel, Xinyu Chen, Würzburg;*  
*Chair: Lara Papin*
- 13:00 – 14:00      *LUNCH*
- 14:00 – 16:00      **HYBRID Presentation and discussion – Are specialized MoBI tools needed?**  
*Presenter: Daniel Ferris; Facilitator: Stefan Debener*
- 16:00 – 21:00      **Excursion and external dinner**

## 6 March 2024 – Day 3

- 10:00 - 10:30      **Presentation and discussion – Multiverse analyses**  
*Presenter: Cassie Short; Chair: Melanie Klapprott*
- 10:30 – 11:00      **Presentation and discussion – Standardized Pipelines**  
*Presenter: Anna Wunderlich; Chair: Melanie Klapprott*
- 11:00 – 11:30      **Presentation and discussion – Reporting**  
*Presenter: Elena Cesnaite; Chair: Melanie Klapprott*
- 11:30 – 12:00      *COFFEE BREAK*
- 12:00 – 13:00      **Closing session – Publication Plans and open points**  
*Chair: Andrea Hildebrandt*
- 13:00 – 14:30      *LUNCH AND FAREWELL*