



Internationales
Wissenschaftsforum
Heidelberg



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

IWH SYMPOSIUM

**Current Issues
in Mind-Wandering Research**
Theoretical Advances
and New Empirical Findings

July 6–8, 2023

ORGANISATION :
Jan Rummel & Lena Steindorf

Thursday, July 6, 2023

9^{am} – 10:30^{am}

SHORT WELCOME ADDRESS

TALK SESSION:

MEASURING MIND WANDERING

9:10

**Questionnaire for Absentmindedness and Awareness:
The Brief Mind Wandering Three-Factor Scale (BMW-3)**

- ▶ *Anna-Lena Schubert, University of Mainz*
- ▶ *Gidon T. Frischkorn, University of Zurich*
- ▶ *Kathrin Sadus, Heidelberg University*
- ▶ *Matthew S. Welhaf,
University of North Carolina at Greensboro*
- ▶ *Michael J., Kane, University of North Carolina at Greensboro*
- ▶ *Jan Rummel, Heidelberg University*

9:30

**Pre-trial Gaze Stability
Predicts Momentary Slips of Attention**

- ▶ *Han Zhang, University of Michigan*
- ▶ *John Jonides, University of Michigan*

9:50

**Introspective Access or Contextual Inference:
The Influence of Performance Cues on Mind Wandering**

- ▶ *Naya Polychroni, Goldsmiths, University of London*
- ▶ *Mahiko Konishi, ENS, PSL University, EHESS, CNRS, Paris*
- ▶ *Isa Steinecker, Technical University of Berlin*
- ▶ *Devin Blair Terhune, King's College, London*

10:10

Mind Wandering as Inference

Devin B. Terhune, King's College, London
Naya Polychroni, Goldsmiths, University of London

10:30^{am}

COFFEE BREAK

11:00^{am} – 12:20^{pm}

TALK SESSION:

COGNITIVE UNDERPINNINGS OF MIND WANDERING

11:00

Mind Wandering and Proactive Interference

- ▶ *Alexander Soemer, University of Tübingen*
- ▶ *Miriam Gade, Medical School Berlin*

11:20

**The Role of Attentional and Metacognitive Control
for Mind Wandering Regulation**

- ▶ *Jan Rummel, Heidelberg University*
- ▶ *Lena Steindorf, Heidelberg University*

11:40	<p>Modelling the Temporal Dynamics of Spontaneous Thoughts: A Computational Approach Based on Network Control Theory</p> <ul style="list-style-type: none"> ▶ Hamidreza Jamalabadi, University of Marburg ▶ Marlijn E. Besten, University Medical Center, Groningen ▶ Lilly Kresinszky, University of Marburg ▶ Steffen Gais, University of Tübingen ▶ Andreas Jansen, University of Marburg ▶ Marieke van Vugt, University of Groningen
12:00	<p>Music-Induced Mind-Wandering: A Network Perspective</p> <ul style="list-style-type: none"> ▶ Thijs Vroegh, Max Planck Institute for Empirical Aesthetics, Frankfurt ▶ Liila Taruffi, Durham University
12:20 ^{pm}	LUNCH BREAK
2:00 ^{pm} – 3:00 ^{pm}	<p>Tales of the Wandering Mind: The Impact of Mind Wandering on Reading Comprehension and Engagement</p> <p>Keynote address by ▶ Myrthe Faber</p>
3:00 ^{pm}	COFFEE BREAK
3:30 ^{pm} – 4:50 ^{pm}	<p>TALK SESSION: MIND WANDERING IIN EDUCATIONAL SETTINGS</p>
3:30	<p>Reading for Study or for Fun? The Effect of Mind Wandering on Text Comprehension While Pursuing Different Reading Goals</p> <ul style="list-style-type: none"> ▶ Mariana Rachel Dias da Silva, Tilburg University ▶ Marie Postma, Tilburg University ▶ Silvy Collin, Tilburg University ▶ Myrthe Faber, Tilburg University
3:50	<p>Multimodal Fine-Grained Mind Wandering Assessment During Online Learning</p> <ul style="list-style-type: none"> ▶ Babette Bühler, University of Tübingen ▶ Efe Bozkir, University of Tübingen ▶ Patricia Goldberg, University of Tübingen ▶ Peter Gerjets, Leibniz-Institut für Wissensmedien, Tübingen ▶ Ulrich Trautwein, University of Tübingen ▶ Enkelejda Kasneci, Technical University, Munich

4:10

**Activating the Camera During a Virtual Class:
What Impact on Learners' Interest and Mind Wandering?**

- Louise Perche, Paris Nanterre University
- Nora Yennek, Paris Nanterre University
- Laure Léger, Paris Nanterre University

4:30

**Mind Wandering, User Interactions and Event Segmentation
in Educational Videos**

- Gerrit Anders, Leibniz-Institut für Wissensmedien, Tübingen
- Jürgen Buder, Leibniz-Institut für Wissensmedien, Tübingen
- Martin Merkt, German Institute for Adult Education, Bonn
- Etienne Egger, University of Tübingen
- Markus Huff, University of Tübingen, Leibniz-Institut für Wissensmedien, Tübingen

5:00^{pm} – 7:00^{pm}

POSTER SESSION:

**A: Does Mind Wandering Explain
the Worst Performance Rule?**

- Christoph Löffler, University of Mainz
- Gidon T. Frischkorn, University of Zurich
- Jan Rummel, Heidelberg University
- Dirk Hagemann, Heidelberg University
- Anna-Lena Schubert, University of Mainz

B: Inter-trial Alpha Power Indicates Mind Wandering

- Stefan Arnau, Leibniz Research Centre for Working Environment and Human Factors, Dortmund
- Dirk Hagemann, Heidelberg University
- Jan Rummel, Heidelberg University
- Christoph Löffler, University of Mainz
- Edmund Wascher, Leibniz Research Centre for Working Environment and Human Factors, Dortmund
- Anna-Lena Schubert, University of Mainz

**C: Involuntary Thoughts and Imagery
During Daily Life: Does Imagery Ability Change
the Way our Minds Wander?**

- ▶ *Giulia Cabbai, University of Sussex*
- ▶ *Carla Dance, University of Sussex*
- ▶ *Julia Simner, University of Sussex*
- ▶ *Giulia Poerio, University of Sussex*
- ▶ *Sophie Forster, University of Sussex*

**D: How Internally Directed Cognition Interferes
With Voluntary Saccades: The Role of Modality and
Workload in Perceptual Decoupling**

- ▶ *Sonja Walcher, University of Graz*
- ▶ *Ziva Korda, University of Graz*
- ▶ *Christof Körner, University of Graz*
- ▶ *Mathias Benedek, University of Graz*

**E: Mind-Wandering and Day-Dreaming:
To What Extent Are These Terms Synonyms?**

- ▶ *Hagar Shimoni, Bar Ilan University*
- ▶ *Vadim Axelrod, Bar Ilan University*

**F: Effects of Different Strengths of Disfluency
on Mind Wandering During Reading**

- ▶ *Steffen Tietz, Heidelberg University*
- ▶ *Marlene Müller, Heidelberg University*
- ▶ *Jan Rummel, Heidelberg University*
- ▶ *Lena Steindorf, Heidelberg University*

**G: Temporal Reference of Thoughts and
Related Thought Content in Mind-Wanderers**

- ▶ *Olaf Morgenroth, Medical School Hamburg*

**H: Spontaneous Cognitions Towards the Past:
Impact of Involuntary Retrieval
on Attention-Based Task Performance**

- ▶ *Claudia Pelagatti, University of Florence*
- ▶ *Giovanni Lecci, Free University of Bolzano*
- ▶ *Carlo Chiorri, University of Genoa*
- ▶ *Demis Basso, Free University of Bolzano*
- ▶ *Manila Vannucci, University of Florence*

I: Smartphone Use as a Behavioral Expression of Mind Wandering? Measuring the Relationship Between Smartphone Use, Mind Wandering, and Reading Performance in a Low-Cost, Non-Invasive, and Remote Way

- ▶ *David Jüngling, HMKW, Berlin*
- ▶ *Maren Urner, HMKW, Cologne*
- ▶ *Dominik, Schwarzinger, HMKW, Berlin*

J: Body Movements and Mind Wandering During Structured Play

- ▶ *Nadia Dario, CNRS, Ecole Normale Supérieure de Lyon*
- ▶ *Kristine Lund, CNRS, Ecole Normale Supérieure de Lyon*

K: Exploring the Dynamics of Subjective Experiences in Narcolepsy

- ▶ *Arthur Le Coz, Paris Brain Institute*
- ▶ *Delphine Oudiette, Paris Brain Institute*
- ▶ *Isabelle Arnulf, Pitié Salpêtrière Hospital & Paris Brain Institute*
- ▶ *Thomas Andrillon, Paris Brain Institute*

6:30^{pm}

WELCOME RECEPTION

Friday, July 7, 2023

9 ^{am} – 10:20 ^{am}	TALK SESSION: MIND WANDERING IN CLINICAL GROUPS
9:00	Effects of Trait and State Cognitions on Cortisol in the Daily Life of Recurrently Depressed Patients and Healthy Individuals <ul style="list-style-type: none">▶ <i>Isabelle F. Schricker, Central Institute of Mental Health, Mannheim</i>▶ <i>Christine Kuehner, Central Institute of Mental Health, Mannheim</i>
9:20	A Picture or a Thousand Words? A Clinical Investigation Into the Preference for Word-Based Thought in Autism <ul style="list-style-type: none">▶ <i>Will H. Strawson, University of Sussex</i>▶ <i>Brontë L. A. Mckeown, Queens University, Kingston</i>▶ <i>Lisa Quadt, University of Sussex</i>▶ <i>Hao-Ting Wang, Montreal Geriatrics Institute</i>▶ <i>Christina Kampourelis, University of Sussex</i>▶ <i>Sarah Garfinkel, University College London</i>▶ <i>Hugo Critchley, University of Sussex</i>▶ <i>Jonathan Smallwood, Queens University, Kingston</i>
9:40	Mind Wandering in Adults With Developmental Dyslexia <ul style="list-style-type: none">▶ <i>James Smith-Spark, London South Bank University</i>
10:00	The Relationship between Mind Wandering, ADHD and Task Performance among Kindergarten-Aged Children <ul style="list-style-type: none">▶ <i>Liat Goldfarb, University of Haifa</i>▶ <i>Yvette Pasternak-Barami, University of Haifa</i>
10:20 ^{am}	COFFEE BREAK
11 ^{am} – 12:20 ^{pm}	TALK SESSION: NEUROCOGNITIVE APPROACHES TO MIND WANDERING
11:00	Spontaneous Mind Wandering Impairs Model-Based Decision Making <ul style="list-style-type: none">▶ <i>Shuyan Liu, Charité – Universitätsmedizin, Berlin</i>▶ <i>Milena Rabovsky, University of Potsdam</i>▶ <i>Daniel J. Schad, Health and Medical University, Potsdam</i>
11:20	Establishing Signatures of Ongoing Thoughts During Naturalistic Tasks <ul style="list-style-type: none">▶ <i>Julia W.Y. Kam, University of Calgary</i>▶ <i>Tarannum Rahnuma, University of Calgary</i>▶ <i>Alexandra Ouellette Zuk, University of Calgary</i>

11:40	A Mind Lively and at Ease: Fixation Duration Variability Increases with Mind Wandering During Scene Viewing <ul style="list-style-type: none"> ▶ <i>Kevin O'Neill, Duke University</i> ▶ <i>Kristina Krasich, Duke University</i> ▶ <i>Antje Nuthmann, Kiel University</i> ▶ <i>Samuel Murra, Providence College</i> ▶ <i>James R. Brockmole, University of Notre Dame</i> ▶ <i>Felipe De Brigard, Duke University</i>
12:00	How Do Thoughts Capture Our Attention? <ul style="list-style-type: none"> ▶ <i>Sophie Forster, University of Sussex</i>
12:30 ^{pm}	LUNCH BREAK
2:00 ^{pm} – 3:00 ^{pm}	States of Mind and Brain <i>Keynote address by ▶ Jonathan Smallwood</i>
3:00 ^{pm} – 4:00 ^{pm}	STRATEGIC MEETING / COFFEE BREAK
4:30 ^{pm}	BOAT TRIP ON THE NECKAR
6:30 ^{pm}	CONFERENCE DINNER <i>Restaurant “Hans Hirsch’s Kurpfalzbräu”</i>

Saturday, July 8, 2023

9:30^{am} – 10:50^{am}

TALK SESSION:
MIND WANDERING IN SPECIAL POPULATIONS

9:30

**I Just Can't Get You Out of My Head:
Mind-Wandering Frequency, Content,
and Characteristics in Limerence**

- ▶ *Giulia L. Poerio, University of Sussex*
- ▶ *Chloe Evans, University of Sheffield*
- ▶ *Stephen Kellet, Rotherham, Doncaster, and South Humber NHS Foundation Trust*

9:50

**Relating Sleep Disturbances to Distinct Features
of Mind Wandering in Daily Life**

- ▶ *David Marcusson-Clavertz, Linnaeus University*

10:10

**High Mind Wandering Correlates With High Risk
for Problematic Alcohol Use in China and Germany**

- ▶ *Shuyan Liu, Charité – Universitätsmedizin, Berlin*
- ▶ *Ruihua Li, Shanghai Jiao Tong University*
- ▶ *Luisa Wegner, Charité – Universitätsmedizin Berlin, Free University of Berlin*
- ▶ *Chuaning Huang, Shanghai Jiao Tong University*
- ▶ *Matthias N. Haucke, Charité – Universitätsmedizin Berlin, Free University of Berlin*
- ▶ *Daniel J. Schad, Health and Medical University, Potsdam*
- ▶ *Min Zhao, Shanghai Jiao Tong University*
- ▶ *Stephan Heinzel, Free University of Berlin*

10:30

Semantic Dynamics of Spontaneous Thought

- ▶ *Ronald B. Dekker, University of Tokyo*
- ▶ *Amanda Meira Lins, Max Planck Institute, Berlin*
- ▶ *Morritz Bammel, Max Planck Institute, Berlin*
- ▶ *Aaron Nakamura, University of Tokyo*
- ▶ *Quentin Huys, University College, London*
- ▶ *Nicolas Schuck, Max Planck Institute, Berlin*
- ▶ *Mingbo Cai, University of Tokyo*

10:50^{pm} – 11:20^{pm}

COFFEE BREAK

11:20 ^{am} – 1:00 ^{pm}	TALK SESSION: CONCEPTUALIZATIONS OF MIND WANDERING
11:20	A Dual Process Model of Spontaneous Conscious Thought ▸ <i>Maria K. Pavlova, University of Vechta</i>
11:45	Otium and Mind Wandering – Two Concepts With Parallels? ▸ <i>Erika Spieß, Ludwig Maximilian University of Munich</i> ▸ <i>Julia A. M. Reif, Bundeswehr University, Munich</i> ▸ <i>Johannes F. W. Arendt, Ludwig Maximilian University of Munich</i>
12:10	Set Courses and Left-Out Chances – Uncovering Blind Spots and Identifying Promising Paths for Mind Wandering Research Through a Lense of Philosophy of Science ▸ <i>Dominik Kemmer, University of Erlangen-Nuremberg</i>
12:35	What is a Task? Lessons From Würzburg Psychology of Thought ▸ <i>Alexander N. Wendt, University of Verone, Heidelberg University</i>
1:00 ^{pm}	LUNCH BREAK
2:00 ^{pm} – 3:00 ^{pm}	Spontaneous Thought and Its Contributions to Mental Health and Flexibility: A View From Within the Dynamic Framework of Thought Keynote address by ▸ <i>Kalina Christoff</i>
3:00 ^{pm} – 4:00 ^{pm}	CLOSING SESSION & FAREWELL / COFFEE BREAK

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