

MEi:CogSci Conference 2025 Schedule

June 12 -14, 2025 in Ljubljana

Location

University of Ljubljana, Faculty of Education, Kardeljeva ploščad 16, 1000 Ljubljana, Slovenia



Tracks Overview

	Track Identity, Meaning, Society Lecture room 012	Track Body, Development, Neural Systems Lecture room 048	Track Language, Cognition, Technology Lecture room 324
Thursday (15:45)	Climate, Media, and Cognition	Music and Dance: Embodiment	Cognitive Strategies and Learning
Friday (9:00)	Identity in Decision Making	Emotions and Neurodiversity	Language in Humans and Machines
(11:00)	Identity and Intimacy	Music and Dance: Early Development	Cognition in Virtual Environment
Saturday (09:00)	Predictive Approaches to Cognition	Changing Neural Systems	LLMs in Practice
(11:00)	Exploring Meaning	Aging and Cognitive Interventions	Robotics and Computation
(14:00)	AI and Society	Neuroimaging and Brain Stimulation	Assistive Technologies and Rehabilitation

Pre-Conference Workshops	Mastering the Master Thesis: Planning and Writing Tips 09:00 -12:00 Lecture room 012 <i>Brigitte Römmer-Nossek (University of Vienna)</i>		Is There Even Another Way Besides Open Science? 09:00 -12:00 Lecture room 324 <i>Tiziana Srdoc (University of Vienna)</i>	
	Swing Out! A Lindy Hop Taster on Musicality and Embodied Connection 11:00 -12:00 Lecture room 016 <i>Sarah Marie Wingert (Comenius University Bratislava)</i>			
13:00	Registration Aula			
14:00	Welcome & Conference Opening Lecture room 212			
14:30	Plenary Talk Lecture room 212 Becoming an Academic Writer <i>Brigitte Römmer-Nossek (University of Vienna)</i>			
15:30	 Quick Break			
15:45	Lecture room 012 Climate, Media, and Cognition We Saw the Future and We Felt Something <i>Clara Rademacher</i> Climate Framed: Functional Brain Network Reconfigurations During News Sense-Making <i>Gabija Aurylaite</i> Constructing a Positive Climate Cosmology: A Qualitative Study of Media and Ecological Anxiety <i>Judith Veld</i> Pro-Environmental Change: What Is It, Really? <i>Nika Pušlar</i>	Lecture room 048 Music and Dance: Embodiment The Embodied Experience of Groove in Music and Dance <i>Tinkara Grm</i> Creative Movement and Physiological Synchronization: Exploring Embodied Learning <i>Urška Klančič</i> Finding the Beat: Effects of Different Modalities on Learning and Recall of Complex Rhythms <i>Omar Hafez</i> The Sound of Movement: Does Musical Structure Guide Lindy Hop Dancers? <i>Sarah Marie Wingert</i>	Lecture room 324 Cognitive Strategies and Learning Pattern or Calculation? Evaluating Problem Solving in Non-Expert Chess Players <i>Jan Hartman</i> Exploring Metacognitive Awareness in UX Design: Cognitive Strategies in Information Organization <i>Laura Jirásková</i> Exploring the Link Between Smartphone Use, Habit Formation, and Self-Regulation <i>Peter Juriga</i> The Function of Tool Switching Behavior During Tool Choice in Goffin's Cockatoos <i>Taja Napret</i>	
17:15	 Coffee Break			
17:45 – 19:15	Poster Session 1 Aula			

Friday, June 13, 2025

09:00

Lecture room 012	Lecture room 048	Lecture room 324
Identity in Decision Making	Emotions and Neurodiversity	Language in Humans and Machines
Generation Z and Sustainable Consumerism: Environmental Values and Purchasing Decisions <i>Ana Kanalec</i>	2-Phased RMET for Identification of Socially High-Functioning Asperger Syndrome <i>Alexandra Dyalee</i>	Neural Correlates of Cross-Linguistic Syntactic Variation in Multilinguals <i>Nikita Zmanovsky</i>
When Markets Move, so Does the Body: Emotions, Physiology, and Decisions in Crypto Trading <i>Neja Cirar</i>	Empathy-Stress Relation in Autistic Individuals: The Role of Prosopagnosia and Oxytocin <i>Larisa Moderer</i>	Marking Aspect in Social Events: The Hungarian Verbal Prefix <i>meg-</i> Increases Mutuality <i>Anna Viola Sáfrány</i>
Competing Loyalties: How Beliefs Shape Voting When Identities Clash <i>Lucija Karnelutti</i>	Electroencephalographic Correlates of Magical Thinking in Affective Disorders <i>Nika Kovačič</i>	Artificial Grammar Learning: Rule Abstraction and Production in Adults and LLMs <i>Lea Košmrlj</i>
	Obsessive-compulsive Experience and Phenomenological Verticality: A Mad Studies Approach <i>Louise Struwe</i>	Development and Validation of a Paradigm for Eliciting Confabulation in Humans and LLMs <i>Matic Šardi</i>

10:30



Coffee Break

11:00

Lecture room 012	Lecture room 048	Lecture room 324
Identity and Intimacy	Music and Dance: Early Development	Cognition in Virtual Environment
Alteroception & Emotional Intelligence: Cardiorespiratory Cues in Emotion Recognition <i>Tela Ravnika</i>	Developmental Changes in Timbre Preferences: Understanding Musical Taste Across Childhood <i>Aina Pocurull Masferrer</i>	Cognitive Load and Bias in AI-XR: Effects of Task Complexity and AI Interaction Modality <i>Anja Rejc</i>
Milk and Meaning: A Lifeworld Hermeneutic Study of Breastfeeding and Maternal Identity <i>Anouk Hartmans</i>	Dichotic Frequency Modulation in Preschool Children <i>Tara Maja Simonič</i>	Enhancing Statistical Learning and Cross-Modal Object Representation in Virtual Reality <i>Jasper McLaughlin</i>
How Love Sounds: Acoustic Indicators of Closeness in Lovers' Talk <i>Tajda Kukovič</i>	The Impact of Hungarian Barn Dance Intervention on Executive Functions in Children <i>Jázmin Fruzsina Mikó</i>	Attitude Change in Human-Robot Interaction in a Virtual Reality Setting <i>Anna Karikó-Tóth</i>

12:15



Lunch Break

– 14:00

14:00

Plenary Talk Lecture room 212
Love: A Journey of Emotion and Biology
Gregor Majdič (University of Ljubljana)

15:00

Alumni Panel Lecture room 048
Jaya Caporusso, Benjamin Fele, Kassandra Friebe, Jan Jug, Christina Light, Aleš Oblak, and Clara Swaboda

16:30



Coffee Break

17:00

– 18:30

Poster Session 2
Aula

09:00

Lecture room 012	Lecture room 048	Lecture room 324
Predictive Approaches to Cognition	Changing Neural Systems	LLMs in Practice
A POMDP Framework for Social Learning of Identity and Trustworthiness <i>Jasper den Hartog</i>	Automatic Fetal Brain Surface Extraction for Analysing the Neural Basis of Embodiment <i>Sebastian Wolff</i>	The Winograd Schema Challenge: A Study of Language Models and Common-sense Reasoning <i>Tamara Podolski</i>
Cognition Under Siege: Narrative Strategies and Cognitive Biases in Contemporary Disinformation <i>Cağla Karaca</i>	Predicting Neurofeedback and BCI Performance Using Sensory Processing Sensitivity Scores <i>Ivana Dragonová</i>	LLMs for Predicting Identity Diffusion from Clinical Interviews <i>Katarina Lodrant</i>
Modeling Delusions through Hybrid Predictive Coding <i>Alica Bednaričová</i>	Ion Channel Degeneracy: Understanding Function-Energy Trade-Offs in CA1 Pyramidal Cells <i>Marvin Marz</i>	User-Oriented Grammar Error Explanation for Slovenian with Large Language Models <i>Nika Marija Rojc</i>
	Age Isn't Just a Number: How Bones Reveal the Brain <i>Jad Zouein</i>	Human-AI Interaction in Language Acquisition: Evaluating LLM as a Language Partner <i>Oleksandr Lytvyn</i>

10:30



Coffee Break

11:00

Lecture room 012	Lecture room 048	Lecture room 324
Exploring Meaning	Aging and Cognitive Interventions	Robotics and Computation
Scaling Relevance Realization from Life to Mind: An Evolutionary Proposal for Cognition <i>Tobias Kroner</i>	Understanding and Strengthening Resilience in Informal Caregivers of People with Dementia <i>Kalina Maria Piskorska</i>	Modeling of Early Development of Cooperation in a Robotic Simulator <i>Dario Lamaj</i>
Seeing Meaning: Revisiting Michotte's Experimental Phenomenology <i>Katarina Verbič</i>	The Framing Effect: Communicating Science to Build Trust in Early Dementia Screening <i>Ema Vaupotič</i>	Empowerment-Guided Safety for Robotic Reinforcement Learning <i>Anže Rifel</i>
Students' Approach to a Lectured Topic <i>Patricia Šušteršič</i>	Development of an Interactive Cognitive Training for the Elderly: A Qualitative Study <i>Yujin Choi</i>	Bias In Machine Learning: The COMPAS Example <i>Ana Farič</i>

12:15

– 14:00



Lunch Break

14:00

Lecture room 012	Lecture room 048	Lecture room 324
AI and Society	Neuroimaging and Brain Stimulation	Assistive Technologies and Rehabilitation
AI Literacy and Organizations: Cognitive Science and Resource-Based View on EU Act <i>Marjana Subotić</i>	A Comparative Analysis of Dynamic Functional Connectivity Methods using Naturalistic fMRI <i>Harkeerat Mangat</i>	Conflict Solving Through Chatbot-guided Reflection <i>Lana Černe</i>
METISiA – a Generative AI Prototype for Epistemic Translation in Legal Disputes <i>Stefanie Alice Hofer</i>	Foundation Model for Intracranial Recordings: Training & Representation Analysis <i>Sebastjan Kramar</i>	Designing for Cognition: A Framework for Accessible Communication Technology <i>Celina Mueller</i>
Algorithmic Power Influence on Collective Memory <i>Louisa Venhoff</i>	Reliability of Subject-Specific BOLD Response to Different TMS Protocols in the DLPFC <i>Dominik Zeman</i>	The Effects of Acute Dual-Task Balance and Cognitive Training on Cognitive Performance <i>Leon Žužek</i>
Playfully Extending Cognition: A Thematic Analysis on Collective Memory, AI and Agency <i>Anna Maria Schwaninger</i>	Interleaved TMS-fMRI Demonstrates Target Engagement in the Orbitofrontal Cortex <i>Minyan Huang</i>	Visual Training in High Myopia Patients <i>Mimi Klinec</i>

15:30



Coffee Break

16:00

Plenary Talk Lecture room 212
Many Phenomenologies of Mind-Wandering
Urban Kordeš (University of Ljubljana)

17:00

– 17:30

Best Poster & Talk Award, Conference Closing Lecture room 212

Poster Session 1

Thursday 12th, Aula

1. Adámyová, Silvána — *Self-Beliefs and Social Perception: Making an Evidence-Based Emotional Regulation Program*
2. Al Jallad, Mhd Walid; Mosleh, Omar — *A Novel Deep Learning Model for Epileptic Seizure Detection from EEG Data*
3. Bárány, Klaudia — *Can Vectors Capture Meaning?*
4. Baškovec, Ira; Kordeš, Urban; Poljšak Kus, Maša — *RazisKAVA: Exploration of the (De)Caffeinated Landscape*
5. Bělousov, Matej — *The Influence of Private Christian Prayer Types on Mental and Physical Health*
6. Bojnec, Blažka; Koprivec Perjet, Žan; Purg Suljič, Nina; Slana Ozimič, Anka; Repovš, Grega — *Behavioural Assessment of Coding Strategies in Spatial Working Memory*
7. Buchgraber, Nina; Groiß, Viktoria — *Breaking the Grid: The Use of Verbal Strategies in a Working Memory Task*
8. Cibula, Miroslav — *Robotic Action Planning via Self-Supervised Trajectory Modeling*
9. Čuber, Andrej; Prinčič, Gaja — *Standardizing Multilingual Eye-tracking for Psycholinguistic and NLP Research*
10. Čuš, Veronika; Frešer, Eva; Stamsnijder, Ted — *EEG and fNIRS Measurement of Brain Activity in Response to Affective Images*
11. Debevec-Kruse, Aly — *Trip or Treat? Exploring Slovak Attitudes Toward Medicalization of Natural Psychedelics*
12. Długokęcka, Helena — *From Baroque to Woke: Eye-Tracking How Labels Guide the Gaze*
13. Gadner, Leonie — *Inferring Cognitive Strategies from EEG Data via Neuro-Cognitive Multilevel Causal Modeling*
14. Gazidede, Bora — *Exploring Diversity in HCI Through Decades: Who's In, Who's Out, and Who's Still Missing?*
15. Geč, Tina; Radmilovič, Jakob; Derlink, Maja — *The Influence of Different Breathing Frequencies on the Autonomic Nervous System*
16. Grishin, Sviatoslav — *Using Augmented Reality for the Treatment of Borderline Personality Disorder*
17. Gruden, Zala — *Creating a Horror Video Game with Biofeedback to Study Fear*
18. Kappus, Philipp; Grosse-Wentrup, Moritz; Žák, Michael Robert; Cochard, Clémence — *Extending Code-VEPs: Detecting Cognitive Difficulty in Mental Rotation Tasks*
19. Kiker, Alisa — *Exploring Bodily Awareness via the Integration of the Vestibular System and Interoception*
20. Klemenčič, Nina — *Sleep as a Personal Resource in Healthcare: A Daily Perspective on Recovery in High-Demand Work*
21. Lakhi, Akshay; Munther, Ahmed; Khetrpal, Neha; Téglás, Ernő — *Young Children's Understanding of the Deductive Inference as a Source of Knowledge*
22. Lilienthal, Nils; Kocan, Asena Umay — *Predicting the Effectiveness of Music Therapy in Autism Using Resting-State fMRI*
23. Nanou, Maria — *Implicit Eye Movement and Pupil Dilation Patterns Indicating Ambiguous Image Reversal in Children*
24. Nordt, Philip — *Disentangling Linguistic and Cultural Biases in Large Language Models: A Comparative Study*

Poster Session 2

Friday 13th, Aula

1. Fedorková, Zuzana — *Evaluation of LLMs Effectiveness in Generating Slovak Texts for Children's Picture Books*
2. Hučko, Jan — *Distinguishing AI Art: Authenticity and Expertise*
3. Kosič, Uroš; Srotič, Tjaša; Habe, Katarina — *The Role of Music in Pediatric Settings*
4. Križan, Tia; Oprešnik, Luka; Caporusso, Jaya — *Toward an Ontology of the Self: A Theoretical Framework*
5. Luštrek, Simon; Žvižaj, Vesna — *The Effects of Cognitive Stressors on Sympathetic and Parasympathetic Nervous System*
6. Mittermayer, Severin; Munther, Ahmed; Téglás, Ernő — *Certain or Possible - Testing the Minimalist Theory of Possibility in Three-year-olds*
7. Pettik, Samuel — *Concurrent Tool-use In Goffin's Cockatoos*
8. Prosperi, Elena — *The Role of Precedence in Coordination Games: A Study on Strategic Decision-Making*
9. Puhar, Anja — *Climate Change Communication: The Role of Humour and Rationality in Shaping Intentions*
10. Read, Ethan — *Structural Similarity As a Predictor of Resting State Functional Connectivity*
11. Riahi, Mohamed Ali — *Trait Mindfulness and Attentional Stability in Reward Contexts*
12. Rivera, George — *Detecting Early Hippocampal Dysfunction in Alzheimer's Using The Mnemonic Similarity Task*
13. Schmitt, Louisa — *Beyond Knowledge: A Mixed-Methods Evaluation of a School Mental Health Literacy Program*
14. Schnaper, Elina — *The ABC of Psychological Resilience: Adapt, Bounce Back or Cope?*
15. Schönfeldt, Thore — *The Role of Informal Interaction in Enhancing Interactive Team Cognition*
16. Servus, Felix — *Trauma in Anorexia Nervosa: Investigating the Mediating Role of Cognitive Inflexibility*
17. Skláršová, Ľubica — *Mechanisms of tDCS: Applications in Research and Practice and Identified Research Gaps*
18. Smodiš, Rok; Šonc, Oskar; Kolenik, Tine; Schiepek, Günter — *An AI Intervention Recommendation System for Psychotherapists*
19. Sourdi, Maria — *Correspondence of Standardized Language Test Results and Self-Assessment of Skills in PWA*
20. Surňáková, Miriam — *Enhancing Cognitive and Attentional Skills Through Coordinated Bilateral Activities*
21. Šutar, Mateja; Kolenik, Tine; Schiepek, Günter — *Linguistic Shifts Around Phase Transitions in Psychotherapy: A Computational Exploration*
22. Valland, Aleksander; Roetzer, Katharina — *Exploring the Role of Gen-AI Tools and Smart Toys in Early Childhood Education*
23. Virág, Áron — *IQ Gains: Real Ability or Testing Artifact?*
24. Yu, Julia Shuli; Stickler, Albert; Cui, Anja-Xiaoxing — *ERPs and Theta-Oscillations Indicating Memory for Music in a Short 20-Minute EEG Paradigm*