MEi:CogSci Conference 2024 Schedule

The MEi:CogSci Conference 2024 will take place on June 13 -15, 2024 in Bratislava.

Location

Comenius University in Bratislava, Faculty of Mathematics, Physics and Informatics, Mlynská dolina F1, 842 48 Bratislava

Tracks Overview

	Track **Society, Cognition, Health** Lecture room M-I	Track **Brain and Cognition** Lecture room C	Track **Mind, Machine, Models** Lecture room B
Thursday (15:45)	Public Cognition	Working Memory	Human-AI Interaction
Friday (9:00)	Biases and Heuristics	Cognitive Vigor and Fatigue	Robotics and Explainable AI
(10:45)	Social Identity and Beliefs	Neurobiology	Language and Memory
Saturday (09:00)	Mindfulness and Cognition	Cognitive Enhancement	Computational Models of the Mind
(10:45)	Experiencing Menstruation and Pain	Social Cognition and Affect	Animal Cognition
(14:00)	Health and Aesthetic Experience	Skills and Expertise	Time and Space

Thursday, June 13, 2024

Language as a Cognitively-Motivated System: A Window into Human Cognition

09:00 -13:00 Lecture room C

Renata Geld (University of Zagreb)

THRISS Student Project Presentation

09:00 -11:00 Lecture room I-9

Immersive Learning: Bridging Theory and Practice with Virtual Reality

10:00 -13:00 Lecture room B

David Kosatka, Evgeniia Tokmakova (Masaryk University)

An Embodied Approach to Understanding

10:00 -13:00 Lecture room M-IV

Zoe Bergmann (University of Vienna)

13:00   **Registration**   Mathematics Vestibule ([Google Maps](#))

14:00   **Welcome & Conference Opening**   Lecture room B

14:30   **Plenary Talk**   Lecture room B

A Developmental Perspective on Cognitive Robotics for Interaction

Alessandra Sciutti (Italian Institute of Technology)

15:30   **Quick Break**

Lecture room M-I **Public Cognition**	Lecture room C **Working Memory**	Lecture room B **Human-AI Interaction**
Variables Involved in Decision Making and Consumer Regret *Milica Knezevic*	Units of the Visual Working Memory Representational System *Andrej Jablanovec*	Cognitive Conflict When Interacting with Robots *Anja Huber*
The Influence of Overconfidence on Herding Behavior in Financial Decision Making *Katarina Pikec*	Cognitive Mechanisms of Encoding and Maintaining Spatial Information in Working Memory *Mila Taškovska*	Faking It Right: Human-Likeness in Pragmatic Authenticity *Barbara Geld*
Information Overload of Government Websites *Anja Lotte Kastelic*	Effects of a Walk in Different Natural Environments on Working Memory and Rumination *Selma Polte*	Embodied AI and Artificial Moral Agency *Maximilian Florka*

15:45 *(session start)*

17:00   **Coffee Break**

17:30
– 19:00   **Poster Session 1**

Physics Vestibule

Friday, June 14, 2024

09:00

Lecture room M-I **Biases and Heuristics**	Lecture room C **Cognitive Vigor and Fatigue**	Lecture room B **Robotics and Explainable AI**
The Role of Phronetic Decision-making in Mitigating Cognitive Biases *Karin Pungartnik*	The Interrelation Between Fatigue and Other Mental States in BCI-HMD Motor Imagery Task *Arina Polyanskaya*	Movement of the NICO Robot: Trustworthiness and Predictability of NICO Robot Movement *Hana Hornackova*
Bias Toward Victim Blaming: Comparison Between Legal Scholars and Laypeople *Tajda Hančič*	Integration of Pupil Size Measures and Self Reports in Understanding the User's Cognitive Load *Gaja Gril*	Visual Continual Learning: Multi-modal Foundation Models for Open World Object Detection *Jelena Epifanic*
Decoding Coherence with Evolutionary Computing *Dávid Bartoš*	Re-Thinking Procrastination: Towards a Computational Cognitive Model of Mental Energy *Marie-Therese Sauer*	"Understanding" in the Context of XAI *Tim Knapp*

10:15 ☕ **Coffee Break**

10:45

Lecture room M-I **Social Identity and Beliefs**	Lecture room C **Neurobiology**	Lecture room B **Language and Memory**
Identity Fragility: The Process of Disidentification in Russian migrants *Elena Mikhina*	The Oscillatory Dynamics of Supramodal Decision Making *Larissa Reitinger*	Language Comprehension and Production Networks in Early Childhood *Tiziana Srdoc*
Dynamics of Forming and Changing Political Beliefs in Post-transitional Slovenian Society *Klara Jamnik*	Oxytocin Effects in Neurodevelopment in an Experimental Model *Dalibor Putala*	Pronoun Use of Alzheimer's Disease Patients in Spontaneous Speech *Jaš Onič*
	The Role of Lipoprotein (a) on the Structural Integrity of the Human Hippocampus *Charlotte Schneider*	Slovakbabylm: Slovak Language Model Based on Cognitive Plausibility *Ľuboš Kriš*

12:00 – 14:00 🍎 **Lunch Break**

14:00   **Plenary Talk** Lecture room B

An Active Inference Perspective for the Amygdaloid Complex

Ronald Sladky (University of Vienna)

15:00   **Alumni Panel** Lecture room B

Supported by the Vienna Cognitive Science Hub

16:30   **Coffee Break**

17:00   **Poster Session 2**
− 18:30

Physics Vestibule

Saturday, June 15, 2024

09:00

Lecture room M-I **Mindfulness and Cognition**	Lecture room C **Cognitive Enhancement**	Lecture room B **Computational Models of the Mind**
Exploring the Impact of Focusing on the Experience of Attention	If in Rhyme, Preserved in Time: Rhyming Contexts as Memory Enhancers	Neurophenomenological Phenotyping of Interpersonal Interactional Dynamics in Autism
Ana Marija Lukenda	*Klára Enikő Finta*	*Jelena Rosic*
The Impact of Mindfulness on Emotion Regulation	Enhancing Working Memory Recall: Comparing Modalities of Absurd Rhymes in Adults	Computational Models of Mental Health Disorders: A Review
Philip Ischebeck	*Ana Lara Schwarzbartl*	*Milica Kis*
Mindfulness and Depressive Symptomatology, and the Potential Mediating Role of Self-regulation	The Role of Ethics in Cognitive Enhancement Users' Experiences	A Personalized Map of Attachment Traits – Design for Application
Ekin Velioglu	*Tina Kramarič*	*Zuzana Hrašková*

10:15 ☕ **Coffee Break**

10:45

Lecture room M-I **Experiencing Menstruation and Pain**	Lecture room C **Social Cognition and Affect**	Lecture room B **Animal Cognition**
Breaking the Cycle: Critical Phenomenology of Menstruation	Temporal Over-Adaptation and the Sense of Agency in Rhythmic Joint Action	Rhythmic Entrainment in Kea Parrots (Nestor Notabilis)
Zoe Bergmann	*Flávia Lujza Csikyová*	*Marko Kunavar*
Premenstrual Symptoms (PMS) as a Desynchronization Between Women and Society	The Neural Mechanisms Underlying Affect Sharing in Vicarious Fear Learning	Bad News, Dogs Can Get Dementia Too! Providing Early Assessment Tools for Canine Dementia
Lilly Eleonor Ripke	*Sara Kubale*	*Taja Oblišar*
The Self in Pain - Pain Experience and Perceived Scope of Action	Interrupted Embraces Show Shift in Lateralization During Interaction in a Natural Setting	The Function of Brain Lateralisation in Drosophila Decision Making
Caroline Ritter	*Nico Henschel*	*Áron Bautista Soldevila*

12:00 – 14:00 🍎 **Lunch Break**

14:00	Lecture room M-I **Health and Aesthetic Experience**	Lecture room C **Skills and Expertise**	Lecture room B **Time and Space**
	Physiological Comparison of Embodied Aesthetic Experience in Subjects on Ketamine *Lynn Tessa Süthoff*	Expert Intuition under Time Pressure: Insights from Bullet Chess *Patrick Burns*	The Universe in Consciousness *Grega Rodman*
	Self-Regulation and Body Fatness: The Mediating Roles of Health-Related Behaviors *Zheng Xingting*	Thematic Awareness and Reflection in Skill Acquisition *Pia Kos*	Unveiling of the Atmosphere - Qualitative Exploration of Experiential Background in Relation to Space *Maša Poljšak Kus*
	Early Predictors of Parkinson's Disease *Kaja Ceglar*	Contemporary Use of Power Analysis in Hypothesis Testing *Maja Žižek Lebeničnik*	Experiencing Time: Exploring Time Perception Dilation *Bálint Gusztáv Mosóczi*

15:15 ☕ **Coffee Break**

15:45 **Plenary Talk** Lecture room B

The Language of the Blind: A Window to Human Cognition

Renata Geld (University of Zagreb)

16:45
− 17:15 **Best Poster & Talk Award, Conference Closing** Lecture room B

Poster Session 1
Thursday 13th, Physics Vestibule

1. Aurylaite, Gabija — *From Far-Right to Alternative Medicine: A Social Identity Approach to Misinformed Beliefs*

2. Babych, Svitlana — *Dating in Museums: Art's Impact on Date Outcome*

3. Bednaričová, Alica — *Compositionality in Meta-Learning Neural Network*

4. Bogliolo, Michela; Bogliolo, Filippo; Operto, Fiorella; Micheli, Emanuele — *Nao: A Promising Tool for Pediatric Hospitals*

5. Chernova, Karina — *Investigating Factive and Non-factive Mentalization States in Children*

6. den Hartog, Jasper — *Action in Perception? An Investigation with the Cognitive Architecture Nengo*

7. Fava, Alessandra; Villani, Valeria; Sabattini, Lorenzo — *Exploring the Most Significant Features for ErrP Detection Through Statistical Analysis*

8. Halilovic, Amar — *Framework for the Planning of Affordance-Based Explanations in Robot Path Planning*

9. Hartmans, Anouk; Karnelutti, Lucija; Žužek, Leon; Pajmon, Sabina; Strle, Toma — *Ballot Butts: Nudging Towards Pro-Environmental Behaviour*

10. Huang, Minyan — *REM Sleep Facilitates Novelty Recognition of Visual Stimuli*

11. Jirásková, Laura — *The Problem of Wayfinding in a Built Environment*

12. Karaca, Caglaguel — *How Are the Published AI Ethics Guidelines Applied?*

13. Karikó-Tóth, Anna; Mikó, Jázmin Fruzsina; Domonkos, Márk — *Display of the Robot's Uncertainty as a Factor of Trust in HRI in an Industrial Setting*

14. Košmrlj, Lea; Podolski, Tamara; Šardi, Matic; Žagar, Aleš — *LLMs: Training Set of Explanations for Coreference Resolution Task*

15. Kuznetsova, Daria — *Does the Grammatical Gender of the Objects to Be Numerically Processed Interfere with the Numbers?*

16. Lodrant, Katarina; Košir, Andrej — *EDA Signal Processing and Affective State Detection with the WESAD Dataset*

17. Lytvyn, Oleksandr — *Enhancing Propaganda Detection with Open Source Language Models: A Comparative Study*

18. Mangat, Harkeerat — *Knowledge-Driven Visual Analytics in Deep Learning*

19. Piskorska, Kalina Maria — *Designing Collective Engagement Approaches to Foster Sustainable Behaviors*

20. Rifel, Anže; Robnik Šikonja, Marko — *Identifying Motifs and Types in Folktales and Fairy Tales using Large Language Models*

21. Sáfrány, Anna Viola — *Representational Comparison of Figurative and Literal Meaning with Multivariate EEG*

22. Schwaninger, Anna Maria — *The Efficiency and Adaptiveness of Children's Information Search Strategies*

23. Struwe, Louise — *The Heart in Cardiophenomenology and Performance-Philosophy: Affect in Models of Cognition*

24. Veld, Judith; Cui, Anja-Xiaoxing; Stickler, Albert — *Semantic Surprise in Music Listening: Validating a Short EEG Test of the N400 ERP*

25. Wingert, Sarah Marie; Poslon, Xenia Daniela; Mazzola, Carlo; Lucny, Andrej — *Teaching a Robot to Draw*

26. Zholdoshbekov, Talas — *Incorporating LLMs to Reveal Metaphors Phenomena*

Poster Session 2
Friday 14th, Physics Vestibule

1. Carli, Tina; Hartman, Jan — *Development of a Test of Planning Abilities of Drivers in a Driving Simulator*

2. Černe, Lana; Košir, Andrej — *Prediction of Learning Outcomes Based on User Interaction with the Recommender System*

3. Choi, Yujin — *Longitudinal DTI Study on Correlation Between Musical Training and Memory Performance*

4. Cirar, Neja; Seme, Barbi — *Evaluating User Experience of the Mobile Application for ESM Studies*

5. Dragonová, Ivana — *The Influence of Inner Speech on Object Recognition*

6. Dyalee, Alexandra — *Invisible Spectrum Quotient: Moving Toward the Unfolding of Asperger Syndrome in Females*

7. Fischer, Evelyn — *Self-study Tools of Morphologically Rich Languages: A Prototype of a Nahuatl Learning App*

8. Grm, Tinkara; Kovačič, Nika; Pušlar, Nika; Ravnikar, Tela — *Complex Stimuli in Clinical Experiments: Validation With Phenomenological Interviews*

9. Juriga, Peter — *Techniques to Enhance Attention*

10. Kanalec, Ana; Šušteršič, Patricia — *Exploring Learning Experiences in Lectures - Ethno-Phenomenological Study*

11. Klančič, Urška; Klinec, Mimi; Vaupotič, Ema — *Brains after Multisystem Inflammatory Syndrome Following SARS-CoV-2 Infection in Children*

12. Kramar, Sebastjan — *Comparison of EEG Recordings During Guided and Self-paced Button-Press Tasks*

13. Kroner, Tobias — *Perspectives on Innovation as Form and Function Creating Process*

14. Kukovič, Tajda — *Effectiveness of Sustainability-Related Advertisements*

15. Kuriakose, Stephen — *The Congruency Sequence Effect (CSE): A Review of Data Analysis Methods*

16. Marz, Marvin; Tomko, Matúš — *Modeling HCN Channel Modulation on Dendro-Somatic Electric Coupling in CA1 Pyramidal Cells*

17. Mueller, Celina — *Exploring the Effectiveness of a Conversational Brain-AI Interface in Aphasic Patients*

18. Napret, Taja — *Ultrasonic Vocalizations and Oxidative Metabolism in Anhedonia Research*

19. Pocurull Masferrer, Aina — *Neural Oscillations and N400 Responses in Familiar Versus Unfamiliar Melodies*

20. Rademacher, Clara — *Measuring Anhedonia Through a Gamified Approach*

21. Rejc, Anja; Zeman, Dominik — *Optimizing Concurrent TMS/fMRI Using Automated Intensity Adjustments*

22. Rojc, Nika Marija; Košir, Andrej — *Visualization and Critical Evaluation of Automatically Generated Concept Maps*

23. Venhoff, Louisa — *Human Label Variation of Sexism in German Language News Forums*

24. Wolff, Sebastian — *Automatic Fetal Brain Landmark Detection for Gestational Age Prediction*

25. Zouein, Jad — *Assessing Spirulina as a Therapeutic Intervention for Alzheimer's Disease*