

2024 ACT-R Workshop Schedule

The 31st Annual ACT-R Workshop will take place on Tuesday July 23, 2024 as part of the MathPsych/ICCM conference. Virtual attendance is available at this zoom link: <https://cmu.zoom.us/j/96343815883?pwd=hrNcWS1KtnXFzAR2PZItE3aTHQBqA0.1>
Recordings of the workshop will be made available. Times listed are Netherlands local time (Central European Summer Time). Contact cl@cmu.edu with comments and inquiries.

10:00 Memory and Individual Differences 1 (Chair: Maarten van der Velde)

Maarten van der Velde & Hedderik van Rijn

Predicting Longer-Term Retention from Learners' Retrieval Practice Performance

Yu-Hsiang Tseng & R. Harald Baayen

Investigating forgetting curves with learning rule-derived interferences

Holly Hake Speed of Forgetting: A Computational Biomarker and Early Indicator for Memory Impairment

11:20 Break

11:40 Memory and Individual Differences 2 (Chair: Andrea Stocco)

Anais Capik Model-Based Characterization of Forgetting in Children and Across the Lifespan

Andrea Stocco & Christian Lebiere

A free-energy interpretation of the spacing effect

Edward A. Cranford, Katherine Judy, Connor Manion, Weiss O'Connor, Katherine Mortimore &

Kevin Gluck Idiographic, Cross-task Architectural Parameter Variation as Compu-Cognitive Data

13:00 Lunch

14:00 Applications (Chair: Nele Russwinkel)

Robert Thomson & Christian Lebiere

Comparing Similarity and Homophily-Based Cognitive Models of Influence

Alex Hough & Othalia Larue

Modeling misinformation-related effects: Successes and challenges

Nele Russwinkel

Cognitive Models for Human-Aware AI

15:30 Break

16:00 Architecture (Chair: David Peebles)

David Peebles Modelling the effect of prioritisation on recall in visual working memory

Meera Ray Adapting Holographic Declarative Memory for a Disaster Agent

Dan Bothell Updates and Future of ACT-R