

2023 ACT-R Workshop Schedule

The 30th Annual ACT-R Workshop will take place on Tuesday July 18, 2023 as part of the MathPsych/ICCM conference. Virtual attendance is available at this zoom link:

<https://cmu.zoom.us/j/95023169045?pwd=bWNwUFJuNmJDMjU2VnZhR3M3Yk9tdz09>

Recordings of the workshop will be made available. Times listed are Amsterdam local time (Central European Summer Time). Contact cl@cmu.edu with comments and inquiries.

9:00 Architecture

Niels Taatgen	Understanding Intelligent Behavior through Cognitive Skills
Alex Hough	Challenges and Strategies for Extending ACT-R Visual Perception
Nicolas Turcas	Does ACT-R Have a Type? Formatting Declarative Memory

10:30 Break

11:00 Future of ACT-R

John Anderson	Stitching Fragments of Model Runs
Dan Bothell	ACT-R Updates
All	Open Discussion

12:30 Lunch

2:00 Personalization (8:00am EDT)

Patrick Rice	Hierarchical, multi-feature visual grouping processes for ACT-R
Michael Collins	Hierarchical Approximate Bayesian Computation with ACT-R: A preliminary examination
Edward Cranford	Adaptive Phishing Training for Simulation Campaigns: Combining ML with Cognitive Models

3:00 Break

3:20 Applications (6:20am PDT)

Prashanth Rajivan	Are IBLs System-1? Analysis of phishing decisions using models of instance based learning and natural language processing
Anthony Harrison	GPT-Jass : A Text-to-model Pipeline for ACT-R Models
Jerry Ball	Overriding and Type Shifting in Double R Grammar
Peter Pirolli	Towards Population-Scale Models of Pandemic Attitudes and Behaviors
Andrea Stocco	Fitting ACT-R Models Using Trial-by-Trial Maximum Likelihood

5:00 Open Discussion

6:00 Opening Reception