

2003 ACT-R Workshop Schedule

The Friday afternoon Invited Session takes place in the Giant Eagle Auditorium, Baker Hall A51
All other sessions take place in Adamson Wing, Baker Hall 136A. Talks last 20 minutes including questions.

Friday July 25

8:15am Welcoming Remarks

8:30am Talk Session 1

John Anderson	Learning a complex, dynamic skill
Cleotilde Gonzalez	Cognitive Architecture for Situation Awareness (CASA)
Michael Matessa	Re-use of a serial list model for aircraft procedure learning
Frank Ritter	Using cognitive modeling to study behavior moderators: pre-task appraisal and anxiety
Niels Taatgen	Variability of behavior in complex skill acquisition

10:10am Break

10:30am Talk Session 2

Danilo Fum	Reinforcing vs. informative feedback while controlling a dynamic system
Richard Lewis	Revisiting the chunking of goal hierarchies
Peter Pirolli	The role of information scent in online browsing
Hongbin Wang	Toward a symbolic model of human attentional networks
Richard Young	Should ACT-R include rule refraction?

12:10am Lunch

1:00pm Future of ACT-R

Dan Bothell	ACT-R 6.0
Frank Ritter	ACT-R FAQ

2:30pm Break

3:00pm Invited Session

James McClelland	Developing a domain-general framework for cognition: What is the best approach?
John Anderson	Response
All	Discussion

Saturday July 26

8:30am Talk Session 3

Erik Altmann	AWOL homunculus: Cue activation processes in task-switching
Anthony Harrison	ACT-R/S: Coordinating spatial representations
Todd Johnson	Modeling the use of multiple frames of reference for object location memory
Michael Schoelles	Task switching in the Argus model: Implications for the buffer architecture
Greg Trafton	The disruptiveness of interruptions

10:10am Break

10:30am Talk Session 4

Bruno Emond	Exploring the usability of adaptive menus with a simple object system
Wayne Gray	Simborgs: Towards the building of simulated human users for interactive system design
Bonnie John	New tools for modeling for HCI evaluation
Frank Lee	Hide and seek: Data and model
Robert St. Amant	SegMan

12:10am Lunch

1:30pm Symposium 1

Mike Byrne	Interfacing ACT-R with external simulations
------------	---

3:00pm Break

3:30pm Symposium 2

Richard Young and Hedderik van Rijn	Model fitting and parameter estimation
-------------------------------------	--

Sunday July 27

8:30am Talk Session 5

Ryan Baker	Statistical techniques for comparing ACT-R models of cognitive performance
Nathan Brannon	Interactive genetic algorithms
Nick Cassimatis	Modeling uncertain reasoning with stochastic simulation in ACT-R
Christian Lebiere	The advantage of architectural assumptions: benefits for baseball batting
Dario Salvucci	Tracking driver intentions with the ACT-R driver model

10:10am Break

10:30am Talk Session 6

Raluca Budiu	Reading instructions in ACT-R: When sentence structure matters
Philip Pavlik	An ACT-R model of the spacing effect

Myeong-Ho Sohn The prefrontal-parietal dissociation during episodic memory retrieval
Hedderik van Rijn Explaining the pseudohomophone effect in lexical decision
Shravan Vasishth Decay and interference in human sentence processing

12:10am Adjourn