



ICCM

MathPsych/ICCM 2022: Pocket Pal

## Welcome to Toronto!

This conference *Pocket Pal* is a convenient leaflet to help plan your conference and change your plans on the fly. This year's conference will not distribute abstract books—although the registration desk has a copy that you can look into. All the abstracts, as well as the full program are available on the conference website.

This leaflet also counts as our certification that all the persons listed here are scheduled to present their work at the 2022 Annual Meeting of the *Society for Mathematical Psychology* and the *International Conference on Cognitive Modeling* in Toronto, Canada, July 23–27, 2022.

Welcome to Toronto!

## Sponsors

The organizers thank *Elsevier* and *Springer* for their sponsorship

## Conference program

Saturday (July 23th, 2022)

Time	Wellesley	Yorkville	Avenue
12:30	WoMP Networking Luncheon		
14:00	WoMP Professional Development Symposium		
18:00	Opening Reception		

Sunday (July 24th, 2022)

Time	Wellesley	Yorkville	Avenue
	<b>Memory I</b>	<b>Aggregation</b>	<b>ICCM I</b>
09:00	Zhang	Brown	Hough
09:20	Lee	Heck	Curley
09:40	Y. Chen	Montgomery	Nagashima
10:00	Kowialiewski	Steyvers	Hoekstra
10:20	Coffee Break		
	<b>Methods I</b>	<b>Learning/Judgment</b>	<b>ICCM II</b>
10:40	Rouder	Devraj	Ozen
11:00	Singmann	Weichart	Tehranchi
11:20	Davis-Stober	Alister	Bartlett
11:40	Villarreal	Pleskac	Conway-Smith
12:00	Lunch + Poster Session		
14:00	Heck: Estes Early Career Award Lecture		
15:00	Coffee Break + Poster Session		
	<b>Memory II</b>	<b>Applications</b>	
15:40	Meyer-Grant	Collins	
16:00	Starns	Hasan	
16:20	Mizrak	Romeu-Kelly	
16:40	Spanton	Liang	

Monday (July 25th, 2022)

Time	Wellesley	Yorkville	Avenue
	<b>Evidence Acc.</b>	<b>Judgment</b>	<b>ICCM III</b>
09:00	Sokratous	Vanunu	Vorobeva
09:20	Kirkpatrick	Cai	Nishikawa
09:40	Hellmann	Liu	Harhen
10:00	—	Kvam	—
10:20	Coffee Break		
	<b>Reaction Times</b>	<b>Measurement</b>	<b>ICCM IV</b>
10:40	Epping	Dunn	Cranford
11:00	Chávez De La Peña	Link	Dancy
11:20	Fox	Pedersen	Jovina
	<i>Student Funding and Intern Opportunities in Federal Labs</i>		
11:40	—	—	—
12:00	Lunch + Board Meeting		
14:00	O'Connor: Keynote Address		
15:00	Coffee Break		
	<i>Session In Memory of A. A. J. Marley</i>		
15:20	<b>Testimonials and Award</b>		
16:00	Kvam		
16:20	Brown		
16:40	Cavagnaro		
17:00	McCausland		
17:30	SMP Business Meeting		
18:30	Conference Dinner		

Tuesday (July 26th, 2022)

Time	Wellesley	Yorkville	Avenue
	<b>Memory III</b>	<b>Decision/Methods</b>	
09:00	Halpern	M. Chen	
09:20	Cox	Nomura	
09:40	Westfall	Jefferson	
10:00	Caplan	Furukawa	
10:20	Coffee Break		
	<i>Session In Memory of Bennet B. Murdock</i>		
10:40	<b>Hockley &amp; Kahana</b>		
10:50	Yonelinas		
11:05	Metcalf		
11:20	Kahana		
11:35	Craik		
11:50	<b>Video Tributes</b>		
12:05	Murdock Reception + Lunch		
14:20	Jonker: Keynote Address		
15:20	Coffee Break		
	<b>Memory IV</b>		<b>ICCM V</b>
15:40	Shiffrin		
16:00	Szollosi		<b>Workshop (Houpt)</b>
16:20	Lange		
16:40	van der Velde		

Wednesday (July 27th, 2022)

Time	Wellesley	Yorkville	Avenue
09:00			ACT-R Workshop
17:00	END OF CONFERENCE		

Note: The conference registration includes breakfast and lunch for the main conference days (24-26).

## Plenary Addresses

### July 24th

Daniel W. Heck

Philipps-Universität Marburg

2021 William K. Estes Early Career Award

### Recent Advances in Multinomial Modeling

### July 25th

Cailin O'Connor

University of California, Irvine

### Multiple Mechanisms for Polarization

### July 26th

Tanya Jonker

Facebook Reality Labs

### Inventing the Future: Augmented Reality, Artificial Intelligence, and Human Cognition

## Poster Session

The poster session will take place at the Rosedale Room, on Sunday, July 24th, between 12:00-14:00 and 15:00-15:40. The poster boards will be up at 10:00 and taken down at 19:00.

### Posters

The numbers identify the poster boards

1. Gianferrara, P. G., & Anderson, J. R. *Action sequencing, timing, and chunking in Space Fortress.*
2. Toth, A., Hendriks, P., Taatgen, N., & van Rij, J. *Learning linguistic reference biases in the PRIMs cognitive architecture.*
3. Rafla, D., Katerman, B. S., & Kahana, M. *Organizational dynamics of memory across multiple days.*
4. Li, J., & Boyle, B. *Towards a computational model of a dynamic feeling of knowing.*
5. Bartlett, M., Furlong, P., Dumont, N. S.-Y., & Stewart, T. *Biologically-plausible memory for continuous-time reinforcement learning.*
6. Kahana, M., Katerman, B. S., Schonhaut, D., Adroque, R., & Dougherty, M. *Neural correlates of study-phase repetition.*
7. Wilschut, T. J., Sense, F., Scharenborg, O., & van Rijn, H. *Beyond responding fast or slow: Improving cognitive models of memory retrieval using prosodic speech features.*
8. Sense, F., Kim, J., Collins, M. G., Krusmark, M., & Myers, T. *The predictive performance equation in a generalized knowledge tracing machine.*
9. Gelpi, R., Tang, Y., & Cunningham, W. A. *Informational trade-offs of learning from expert demonstration.*
10. Chen, Y.-Y., Houpt, J., & Fifić, M. *Combining multiple sources of information to make a decision.*
11. Rudoler, J., Bruska, J. P., & Kahana, M. *Decoding and optimizing episodic memory.*

12. Held, M., Borst, J., & Rieger, J. W. *Multitasking while driving: Central bottleneck or problem state interference?*
13. Gillespie, N. F., & Cox, G. E. *A scaling study of novel auditory stimuli for creating artificial events.*
14. Fitch, A., & Kvam, P. *Measuring preference for gains and losses under delay and risk.*
15. Saad, L., Musolino, J., & Hemmer, P. *Does memory noise follow Weber's Law? An investigation in one temporal binding dataset.*
16. Shimada, D., & Katahira, K. *Do the sequential dependencies of responses affect the reliability and validity of a questionnaire survey?*
17. DeHaan, R., & Kahana, M. *Temporal dependencies in the classification of free recall.*

## ICCM Workshop

Joseph Houpt

University of Texas at San Antonio

### Developing analytic likelihood functions for ACT-R

## Additional Scheduled Events

### July 23rd

- Women of MathPsych Networking Luncheon (12:00)
- Opening Reception (18:00)

### July 25th

- SMP Board Meeting (12:00)
- Society for Math Psych Business Meeting (17:30)
- Conference Dinner at The Blake House (18:30)  
449 Jarvis St, Toronto, ON M4Y 2G8 (600m from the hotel)  
Registration details coming soon.

## Mask Policy

Although they are currently not required in Toronto for public places, **we are requiring masks inside the conference rooms where talks are taking place.** We will provide masks and COVID-19 tests to each attendant upon arrival. In any other areas of the conference, we ask attendants to respect each other's comfort level regarding social distancing and preventative measures.

## Code of Conduct

The Society for Mathematical Psychology (SMP) is committed to the highest standards of diversity, equity, inclusion, and the free expression of ideas. All forms of harassment are prohibited. For further details, see <https://mathpsych.org/page/code-of-conduct>

## Questions and/or Concerns

Please reach out in person or via email to David Kellen ([davekellen@gmail.com](mailto:davekellen@gmail.com)), Michael Kalish ([mlkalish@syr.edu](mailto:mlkalish@syr.edu)), Joachim Vandekerckhove ([joachim@uci.edu](mailto:joachim@uci.edu)), or Terry Stewart ([terrence.stewart@nrc-cnrc.gc.ca](mailto:terrence.stewart@nrc-cnrc.gc.ca)).