

## Thursday Program

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**8:00 – 9:00 Registration – Light Breakfast**

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**9:00 Welcome -- Peter C. Gordon, Conference Chair  
Bernadette Gray-Little, Provost**

**9:15 – 10:45 First Morning Session  
Chair: William Badecker, Johns Hopkins University**

9:15 *Surprisal as Optimal Behavior: a Formal Model and Empirical Investigation* p. 1  
Nathaniel Smith and Roger Levy

9:45 *A Processing Model for Ungrammatical Verb Phrase Ellipsis* p. 2  
Gregory Koble, Christina Kim, John Hale and Jeffrey Runner

10:15 *Structural Priming in Language Production as the Result of Learning and Spreading Activation in an ACT-R Model* p. 3  
David Reitter and Frank Keller

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**10:45 – 11:15 Coffee Break**

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**11:15 – 12:45 Second Morning Session  
Chair: Shelia Kennison, Oklahoma State University**

11:15 *Uniform Information Density In Discourse: A Cross-corpus Analysis of Syntactic and Lexical Predictability* p. 4  
Steven T. Piantadosi and Edward Gibson

11:45 *From Message to Syntax: Incremental Syntactic Planning beyond the Clause Level* p. 5  
Carlos Gómez Gallo, T. Florian Jaeger and Ronald Smyth

12:15 *Producing Dispreferred Structure* p. 6  
Susan Wagner Cook, T. Florian Jaeger and Michael Tanenhaus

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**12:45 – 2:30 Lunch Break**

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## Thursday Program

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**2:30 – 4:00**    **First Afternoon Session**  
**Chair: Thomas Wasow, Stanford University**

2:30    *To Err is Human, to Structurally Prime from Errors is Also Human*    p. 7

L. Robert Slevc and Victor S. Ferreira

3:00    *Alternatives to Hierarchical Feature Passing in Production: Timing of Planning and Semantic Integration in Subject-verb Agreement*    p. 8

Maureen Gillespie and Neal J. Pearlmutter

3:30    *Expectation-based Syntactic Processing: Anti-locality outside of Head-final Languages*    p. 9

T. Florian Jaeger, Evelina Fedorenko, Philip Hofmeister and Edward Gibson

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**4:00 – 4:30**    **Coffee Break**

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**4:30**    **Announcements: Katz Award and Next Year's Meeting**

**4:45 – 6:15**    **Second Afternoon Session**  
**Chair: Jennifer Arnold, University of North Carolina at Chapel Hill**

4:45    *The Relationship Between Lexical and Structural Retrieval in Sentence Comprehension*    p. 10

Evelina (Ev) Fedorenko and Edward Gibson

5:15    *Lexical Repetition in the Priming of Ditransitive Structures in Comprehension: The Special Role of the Verb*    p. 11

Maria Nella Carminati and Roger Van Gompel

5:45    *Parsing Plural Noun Phrases: Evidence from Garden-path Sentences*    p. 12

Nikole Patson and Fernanda Ferreira

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**Evening**  
**6:30 – 8:30**    **Poster Session I**

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## Friday Program

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**8:00 – 9:00**    **Late Registration – Light Breakfast**

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**9:00 – 10:30**    **First Morning Session**  
**Chair: TBA**

9:00    *The Art of the State: Mixed Effects Regression Modeling in the Visual World*    p. 13  
Michael Tanenhaus, Austin Frank, T. Florian Jaeger,  
Anne Pier Salverda and Mikhail Masharov

9:30    *Evidence for a Unified Theory of Structural and Lexical Priming*    p. 14  
Neal Snider

10:00    *Models of Speaker Choice in Production: Integrating Information and Availability*    p. 15  
Austin F. Frank and T. Florian Jaeger

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**10:30 – 11:00**    **Coffee Break**

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**11:00 – 12:30**    **Second Morning Session**  
**Chair: Amit Almor, University of South Carolina**

11:00    *A Fully Rational Model of Local-coherence Effects: Modeling Uncertainty About the Linguistic Input in Sentence Comprehension*    p. 16  
Roger Levy

11:30    *A Probabilistic, ACT-R-inspired Model of Parallelism and Priming in Sentence Processing*    p. 17  
Amit Dubey, Patrick Sturt and Frank Keller

12:00    *Discourse and Object Relative Clauses: the Effect of Topic versus Mention*    p. 18  
Douglas Roland, Carolyn O'Meara, Hongoak Yun and Gail Mauner

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**12:30 – 2:15**    **Lunch Break**

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## Friday Program

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**2:15 – 3:45**    **Special Session I**  
**Chair: Brian McElree, New York University**

2:15    *Probabilistic Models of Human Sentence Comprehension and Production*

Daniel Jurafsky, Stanford University

2:45    *Computational Models of Reading: Linking Eye Movements to Sentence Processing*

Erik D. Reichle, University of Pittsburgh

3:15    *Using Multi-Level Models to Investigate Individual Differences in Sentence Comprehension*

Matthew J. Traxler & Shelley A. Blozis, University of California, Davis

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**3:45 – 4:15**    **Coffee Break**

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**4:15 – 6:00**    **Special Session II**  
**Chair: Gerry Altmann, York University**

4:15 – 4:55    *Explorations in Language Learnability using Probabilistic Grammars and Child-directed Speech*

Joshua B. Tenenbaum, MIT

5:00 – 6:00    Panel Discussion: ***Tools and Techniques for Formal Modeling***

Moderator: Ted Gibson

Panel Members: John Hale, Roger Levy, Rick Lewis, Doug Roland, Whitney Tabor

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**Evening**  
**6:15-8:15**    **Poster Session II**

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## Saturday Program

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**12:30 – 2:30 Poster Session III – Lunch Provided**

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**2:30 – 4:00 First Afternoon Session**  
**Chair: John Trueswell, University of Pennsylvania**

2:30 *Big Duck, Small Duck, What Do You See? Real-time Integration of Perspective Information* p. 25  
Daphna Heller, Daniel Grodner and Michael K. Tanenhaus

3:00 *Experimental Evidence for Rapid Interpretation of Pragmatic 'Some'* p. 26  
Daniel Grodner, Natelie Klein, Katie Carbary and Michael Tanenhaus

3:30 *Adaptation of Object Descriptions in Typical Development and in High-functioning Autism* p. 27  
Aparna Nadig, Giacomo Vivanti and Sally Ozonoff

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**4:00 – 4:30 Coffee Break**

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**4:30 – 6:00 Second Afternoon Session**  
**Chair: Victor S. Ferreira, University of California, San Diego**

4:30 *Cognitive Resources Modulate Pronoun Use* p. 28  
Zenzi M. Griffin and Jennifer E. Arnold

5:00 *Syntactic Function and Definiteness Determine the Prominence of an Antecedent: Revisiting the Repeated Name Penalty* p. 29  
Petra Burkhardt and Dietmar Roehm

5:30 *Mechanisms of Coreference* p. 30  
Peter C. Gordon, Natalie Kacinik & Tamara Swaab

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