

Daniel Yurovsky

Department of Psychological and Brain Sciences
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Education

- 2007-present **Indiana University** *Bloomington, IN*
PhD in Psychology and Cognitive Science.
Advisory Committee: Chen Yu (chair), Linda Smith, Richard Shiffrin,
Susan Jones, Jerome Busemeyer
- 2003-2007 **Carnegie Mellon University** *Pittsburgh, PA*
B.S. in Computer Science
B.S. in Cognitive Science
Additional Major in Human-Computer Interaction.
Honors Thesis: *Working Memory in Implicit Learning Problems.*
Advisor: Ken Kotovsky

Other Courses

- 2010 **Summer School on Human Language Technology** *Baltimore, MD*
Johns Hopkins University
- 2009 **Dynamic Field Theory Summer School** *Iowa City, IA*
The University of Iowa

Fellowships and Awards

- 2011 **Paula Menuyak Travel Award**
- 2011 **NSF East Asia and Pacific Summer Institutes Fellowship**
- 2011 **IU Graduate and Professional Student Organization Travel Award**
- 2010 **British Psychological Society International Collaboration Award**
- 2010 **Society for Mathematical Psychology Travel Award**
- 2009-2012 **NSF Graduate Research Fellowship**
- 2008 **Cognitive Science Society Travel Award**
- 2008 **Joseph E. Steinmetz Summer Fellowship**
- 2007-2009 **NIH Developmental Training Grant**
- 2007 **CMU Psychology Department Award for Undergraduate Research (1st Place)**
- 2007 **Phi Beta Kappa**
- 2007 **Psi Chi**
- 2003-2007 **National Merit Scholarship**

Journal Publications

- Yu, C., **Yurovsky, D.**, & Xu, T. (in press). Visual Data Mining: An Exploratory Approach to Analyzing Temporal Patterns of Eye Movements. *Infancy*.
- Yurovsky, D.**, Fricker, D., Yu, C., & Smith, L. B. (under revision). The Role of Partial Knowledge in Cross-Situational Word Learning.
- Yurovsky, D.**, Yu, C., & Smith, L. B. (under review). Competitive Processes in Cross-Situational Learning.
- Yurovsky, D.**, Boyer, T. W., Smith, L. B., & Yu, C. (under review). Probabilistic Cue Combination: Less is More.
- Yurovsky, D.**, Hidaka, S., & Wu, R. (in prep). Quantitative Linking Hypotheses for Infant Eye Movements.
- Yurovsky, D.**, Smith, L. B., & Yu, C. (in prep). Statistical Word Learning: The Importance of Perspective.

Proceedings Publications

- Yurovsky, D.**, Wu, R., Yu, C., Kirkham, N. Z., & Smith, L. B. (2011). Model selection for eye movements: assessing the role of attentional cues in infant learning. In E. J. Davelaar (Ed.), *Connectionist models of neurocognition and emergent behavior: From theory to applications* (pp. 58-75). Singapore: World Scientific.
- Yurovsky, D.**, Fricker, D., Yu, C., & Smith, L. B. (2010). The Active Role of Partial Knowledge in Cross-Situational Word Learning. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 2609-2614). Austin, TX: Cognitive Science Society.
- Yurovsky, D.**, Hidaka, S., Yu, C., & Smith, L. B. (2010). Linking Learning to Looking: Habituation and Association in Infant Statistical Language Learning. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 1589-1594). Austin, TX: Cognitive Science Society.
- Yurovsky, D.**, Yu, C., & Smith, L. B. (2010). Statistical Speech Segmentation and Word Learning in Parallel. In K. Franich, K.M. Iserman, & L. L. Keil (Eds.), *Proceedings of the 34th Annual Boston University Conference on Language Development* (pp. 491-502). Somerville, MA: Cascadilla Press.
- Yurovsky, D.** & Yu, C. (2008). Mutual Exclusivity in Cross-Situational Statistical Learning. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.) *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 715-720). Austin, TX: Cognitive Science Society.

Invited Talks

- 2011 **Japan Advanced Institute of Science and Technology**, Hashimoto Lab
- 2011 **University of Edinburgh**, Language Evolution and Computation Unit
- 2011 **Japan Society for Developmental Psychology**, Keynote address (w/ Rachel Wu)
- 2010 **University of Rochester**, Brain and Cognitive Sciences Department

Conference Organization

- 2011 **Symposium: The Development of Referential Understanding**
Society for Research in Child Development, *Chair*
- 2010 **Symposium: Modeling Statistical Word Learning**
International Conference on Infant Studies, *Co-chair (with Chen Yu)*

Conference Talks

- Yurovsky, D.**, Smith, L. B., & Yu, C. (2011). Statistical Word Learning from a First-Person Perspective. Presented at the 36th Boston University Conference on Language Development.
- Benitez, V., **Yurovsky, D.**, & Charles, M. C. (2011). Examining Cross-Situational Learning in Bilinguals (and Monolinguals). Presented at the International Symposium on Bilingualism.
- Yurovsky, D.**, Boyer, T. W., Yu, C., & Smith, L. B. (2011). Combining Cues to Determine Referential Intent. Presented at the 2011 Biennial Meeting of the Society for Research in Child Development.
- Yu, C., Smith, L. B., & **Yurovsky, D.** (2011). The Role of Statistical Cues in Cross-Situational Word Learning: Behaviors and Mechanisms. Presented at the 2011 Biennial Meeting of the Society for Research in Child Development.
- Yurovsky, D.**, Fricker, D., Yu, C., & Smith, L. B. (2010). Building and Using Partial Knowledge in Statistical Word Learning. Presented at the 35th Boston University Conference on Language Development.
- Yurovsky, D.**, Fricker, D., Yu, C., & Smith, L. B. (2010). The Active Role of Partial Knowledge in Cross-Situational Word Learning. Presented at the 32nd Annual Conference of the Cognitive Science Society.
- Yurovsky, D.**, Wu, R., Hidaka, S., Yu, C., & Smith, L. B. (2010). Linking Learning to Looking: Model Selection for Eye Movements. Presented at the 43rd Annual Conference of the Society for Mathematical Psychology.
- Yurovsky, D.**, Wu, R., Kirkham, N. Z., & Yu, C. (2010). Learning cross-modal contingencies through attention cues Presented at the 12th Neural Computation and Psychology Workshop.
- Yurovsky, D.**, Hidaka, S., Yu, C., & Smith, L. B. (2010). Using Eye Movements to Study Cross-Situational Learning. Presented at the 2010 International Conference on Infant Studies.
- Yu, C., **Yurovsky, D.**, Boyer, T. W., Smith, L. B., & Bertenthal, B. (2010). As Time Goes By: Temporal Dynamics of Eye Movements in Statistical Learning. Presented at the 2010 International Conference on Infant Studies.
- Yurovsky, D.**, Yu, C., & Smith, L. B. (2009). Statistical Speech Segmentation and Word Learning in Parallel. Presented at the 34th Boston University Conference on Language Development.
- Yurovsky, D.**, Yu, C., & Smith, L. B. (2009). Real-Time Attention in a Cross-Situational Learning Task: An Eye Tracking Analysis. Presented at the Society of Mathematical Psychology.
- Yu, C., Klein, K. A., **Yurovsky, D.**, & Smith, L. B. (2009). What you see is what you learn: Using Eye Movements to study Cross-Situational Word Learning. Presented at the 2009 Biennial Meeting of the Society for Research in Child Development.
- Yurovsky, D.** & Yu, C. (2008). Mutual Exclusivity in Cross-Situational Statistical Learning. Presented at the 30th Annual Conference of the Cognitive Science Society.

Conference Posters

- Yurovsky, D.**, Rickert, M., Yu, C., & Smith, L. B. (2010). A Boosting Approach to Understanding Referential Intent. Presented at the 9th IEEE Conference on Development and Learning.
- Yurovsky, D.**, Hidaka, S., Yu, C., & Smith, L. B. (2010). Linking Learning to Looking: Habituation and Association in Infant Statistical Language Learning. Presented at the 32nd Annual Conference of the Cognitive Science Society.
- Yurovsky, D.**, Wu, R., Kirkham, N. Z., & Yu, C. (2010). Learning Cross-Modal Contingencies through Attentional Cues. Presented at the 32nd Annual Conference of the Cognitive Science Society.
- Yurovsky, D.**, Hidaka, S., Yu, C., & Smith, L. B. (2010). A Generative Model of Eye Movements in Statistical Language Learning. Poster Presented at the International Conference on Infant Studies.
- Yurovsky, D.**, Yu, C., & Smith, L. B. (2009). Real-Time Attention in a Cross-Situational Learning Task: An Eye Tracking Analysis. Poster Presented at the 31st Annual Meeting of the Cognitive Science Society.
- Yurovsky, D.**, Yu, C., & Smith, L. B. (2009). Mutual Exclusivity in Cross-Situational Learning. Poster Presented at the Society of Research in Child Development Meeting.
- Yurovsky, D.** & Yu, C. (2008). Learning Homonymous and Synonymous Words Through Cross-Situational Statistics. Poster Presented at the 33rd Boston University Conference on Language Development.

Membership and Professional Service

Member, Cognitive Science Society

Member, Society for Mathematical Psychology

Member, International Society on Infant Studies

Member, Society for Research in Child Development

Member, Vision Sciences Society

Adhoc Reviewer for Cognitive Science, Frontiers in Developmental Psychology, Cognitive Science Conference

Departmental Service

Graduate Student Advisor for Consortium for Education and Social Science Research Workshop in Methods, 2011

Coordinator for Indiana University Cognitive Lunch talk series, 2008-2010

Instructor for P211 Experimental Methods in Psychology, Spring 2010

Teaching Assistant for Introduction to Psychology, Prof. Ken Kotovsky, Spring 2006 & Spring 2007

Guest Lecture presented in Lab in Human Learning and Cognition, Prof. Chen Yu, Fall 2008

Guest Lecture presented in Psychology of Consciousness, Prof. James Townsend, Fall 2009

Guest Lecture presented in Developmental Psychology, Dr. Hilary Kalagher, 2011