

# Program for the Division 3 Portion of the 2007 APA Convention

◆ **Friday, August 17, 2007** ◆

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**7:30 – 9:00**

Mentoring Session for Graduate Students and Post-docs

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**10:00 – 11:50**

Symposium: Origins of Causal Reasoning

**Aaron P. Blaisdell (Chair)**

**Nicola Clayton:**

*By Hook or Crook: How Apes and Corvids Understand Tools*

**Josep Call:**

*Causal Reasoning in the Great Apes*

**Alison Gopnik:**

*Young Children's Causal Reasoning: Correlations, Actions and Mechanisms*

**Derek C. Penn:**

*A Difference of Kind: Discontinuities between Human and Nonhuman Causal Cognition*

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**12:00 – 12:50**

Invited Address:

**Jonathon D. Crystal**

*Animal Models of Cognition: Episodic-like Memory and Metacognition in Rats*

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**1:00 – 1:50**

Invited Address:

**Steven E. Clark**

*Theory Development on the Road from Mistaken Identification to Wrongful Conviction*

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**2:00 – 2:50**

Invited Address:

**Elizabeth J. Marsh**

*Illusions of Knowledge*

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◆ **Friday, August 17, 2007** ◆

**3:00 – 4:50**

**Symposium: Memory Dynamics and the Optimization of Instruction**

**Opening Talk I: Elizabeth Ligon Bjork**

*Memory Considerations in the Optimization of Learning: Creating Desirable Difficulties*

**Opening Talk II: Robert A. Bjork**

*Metacognitive Considerations in the Optimization of Learning: Heuristics and Illusions*

**Invited Poster Presentations:**

**Aimee Callender & Mark McDaniel:**

*Text Comprehension in Education*

**Andrew C. Butler & Henry L. Roediger, III:**

*Feedback Enhances the Benefits of Testing*

**Benjamin C. Storm, Katerina Belova, Robert A. Bjork & Elizabeth L. Bjork:**

*The Effects of Spacing and Generation During Reading*

**Jennifer C. Storm, Benjamin C. Storm, Michael C. Friedman & Robert A. Bjork:**

*When Expanding Test Schedules Succeed and Fail to Enhance Learning*

**Bridgid Finn & Janet Metcalfe:**

*The Influence of Memory for Past Test on Metacognitive Monitoring and Control*

**Deanna M. Fierman, Alice F. Healy, & Lyle E. Bourne:**

*Optimizing Memory for Instructions by Varying Presentation Modality: Explorations of a Navigation Task*

**Jeri L. Little, Elizabeth L. Bjork, Robert A. Bjork:**

*Does Retrieval Induce Forgetting, Facilitation, or Both?*

**Kathy Wildman & Mark McDaniel:**

*Test-Enhanced Learning for Facts and Concepts*

**Mathew J. Hays & Robert A. Bjork:**

*Expanding-Interval Retrieval Practice and the Goldilocks Principle*

**Michael J. Serra:**

*How Do Diagrams Improve Memory for Science Text?*

**Nate Cornell, Makah Leal, Timothy Wong & Robert A. Bjork:**

*Categorizing Paintings: The Spacing Effect on Inductive Learning.*

**Phillip Kellman & Joel Zucker:**

*Dynamic Sequencing in Computer-based Learning Technology: Optimizing Efficiency for Item Memory and Perceptual Learning*

**Shana Carpenter, Hal Pashler, Doug Rohrer & Nicholas Cepeda:**

*Does Forced Guessing Cause One to Learn the Wrong Answer?*

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**5:00 – 6:50**

Division 6 Executive Committee Meeting  
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**7:30 – 8:50**

Division 3 Executive Committee Dinner Meeting  
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◆ **Saturday, August 18, 2007** ◆

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**9:00 – 9:50**

Division 6 Presidential Address:  
**Karen Hollis**  
*Cognitive Ecology and Insect Behavior: A Model System for Studying Learning*

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**10:00 – 10:50**

Division 3 Poster Session:  
Research in Experimental Psychology  
(includes Graduate Student Poster Competition)

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**12:00 – 12:50**

Board of Scientific Affairs Master Lecture:  
**Ed Wasserman**  
*Humans, Animals and Computers: Minding Machines?*

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**2:00 – 3:50**

Symposium: Advancing Psychological Science by Studying Complex Tasks and Expertise  
**Earl B. Hunt (co-chair) & Leo Gugerty (co-chair):**

**Phillip L. Ackerman:**  
*How Does Task Complexity Relate to Basic and Applied Experimental Psychology?*  
**Werner W. Wittman:**  
*Brunswik-Symmetry, A Golden Key Concept to Disentangle Complexity*  
**Peter Pirolli:**  
*Information foraging and sense making theory: Playing both sides of the street.*  
**Christopher D. Wickens:**  
*Can Perceptual-Cognitive Theory be Advanced by Complex Tasks?*

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**4:00 - 4:50**

Division 3 Business Meeting

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**5:00 – 5:50**

Division 3 Presidential Address:  
**Howard Egeth**  
*Attentional Control: From the Bottom Up and then Back Down*

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**6:00 – 7:50**

Social Hour  
(Jointly Sponsored by Division 3 and Division 6)

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◆ **Sunday, August 19, 2007** ◆

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**9:00 – 9:50**

Invited Address:

**Lynne M. Reder:**

*Bridging the Gap Between Implicit and Explicit Memory: Memory Does Not Divide on Consciousness*

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**10:00 – 11:50**

Symposium: Numerical Competence in Nonhuman Animals---Looking Back, Looking Forward

**Michael J. Beran (Chair)**

**Michael J. Beran:**

*Enumeration, Estimation, and Fuzzy Math by Chimpanzees*

**Irene M. Pepperberg:**

*Grey Parrot Numerical Competence*

**Jessica F. Cantlon & Elizabeth M. Brannon:**

*Numerical Computation Mechanisms in Monkeys and Humans: Abstraction, Comparison, Arithmetic*

**Jacky Emmerton:**

*Role of Perceptual Factors in Numerical Processing by Pigeons*

**Sarah T. Boysen:**

*Acquisition Parameters for Establishing Numerical Representation in Chimpanzees*

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**12:00 – 12:50**

Invited Address:

**Alan S. Brown**

*False Recognition in Everyday Experience: Taking Clues from Déjà vu*

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**1:00 – 1:50**

Invited Address:

**Arthur P. Shimamura**

*Emotional Influences on Contextual Memory*

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◆ **Monday, August 20, 2007** ◆

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**9:00 – 10:50**

Symposium: *Language Comprehension and Aging*  
**Debra McGinnis (Chair)**

**Gabriel A. Radvansky**

*Aging and Deeper Understanding*

**Noh Soh Rim & Elizabeth A. L. Stine-Morrow**

*Age Differences in Character Activation During Narrative Comprehension*

**Debra McGinnis**

*Inferential Processes during Narrative Comprehension in Young-old and Old-old Adults*

**Lise Abrams**

*Misspelling Perception Influences Older Adults' Recall: The Relevance of Context*

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**11:00 – 11:50**

Invited Address:

**Steven J. Luck**

*Visual Working Memory: Representation, Process, and Function*

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**1:00 – 1:50**

Invited Address:

**Anthony D. Wagner**

*The Cognitive Neuroscience of Remembering*

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