

Curriculum Vitae

Jean E. Pretz

revised 8/09

Illinois Wesleyan University
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POSITION

Assistant Professor, Illinois Wesleyan University, Fall 2004 to present

EDUCATION

Yale University, New Haven, Connecticut

Ph.D. in Psychology (cognitive), 2004

Dissertation: *Solving life's problems: When to analyze and when to trust your intuition*

Advisor: Dr. Robert J. Sternberg

Committee members: Frank Keil, Geoffrey Cohen, Jerome Singer, Jeremy Gray

M.Phil. in Psychology, 2001

Theme Essay: *Implicit processing aids problem solving: When to incubate ideas and trust intuitions*

Advisor: Dr. Robert J. Sternberg

Committee members: Frank C. Keil and Mahzarin R. Banaji

M.S. in Psychology, 2000

Pre-dissertation: *Subjective experience and transfer in insight problem solving*

Advisor: Dr. Robert J. Sternberg

Committee members: Frank C. Keil and Mahzarin R. Banaji

Martin-Luther-University Halle-Wittenberg, Halle, Germany

Fulbright grant, 1997-1998

Investigated the role of the Church before, during, and after the reunification of East and West Germany. Conducted a study comparing religiosity and religious beliefs among young adults of both the former East and West Germanies.

Wittenberg University, Springfield, Ohio

B.A. in Psychology and Music with a German minor, 1997, summa cum laude

Psychology honors thesis: *The role of knowledge in creativity*

Advisor: Dr. Jeffrey B. Brookings

Music honors thesis: *The nature of musical composition: Understanding the world of the composer*

Advisor: Prof. Trudy Faber

RESEARCH

Research Interests

Intuition and expertise
 Cognitive processes in creativity
 Implicit cognition

Publications († indicates an IWU undergraduate co-author)

Peer-reviewed publications

Silvia, P.J., Kaufman, J.C., & Pretz, J.E. (in press). Is creativity domain-specific? Latent class models of creative accomplishments and creative self-descriptions. *Psychology of Aesthetics, Creativity, and the Arts*.

Pretz, J.E., & †Link, J.A. (2008). The Creative Task Creator: A tool for the generation of customized, web-based creativity tasks. *Behavior Research Methods*, 40(4), 1129-1133.

Pretz, J.E. (2008). Intuition versus analysis: Strategy and experience in complex everyday problem solving. *Memory and Cognition*, 36(3), 554-566.

Pretz, J.E., & †Totz, K.S. (2007). Measuring individual differences in affective, heuristic, and holistic intuition. *Personality and Individual Differences*, 43(5), 1247-1257.

Sternberg, R.J., Kaufman, J.C., & Pretz, J.E. (2003). A propulsion model of creative leadership. *The Leadership Quarterly*, 14, 455-473.

Sternberg, R.J., Kaufman, J.C., & Pretz, J.E. (2001). The propulsion model of creative contributions applied to the arts and letters. *Journal of Creative Behavior*, 35(2), 75-101.

Wolfradt, U., & Pretz, J.E. (2001). Individual differences in creativity: Personality, story writing, and hobbies. *European Journal of Personality*, 15(4), 297-310.

Eisenberger, R., Armeli, S., & Pretz, J. (1998). Can the promise of reward increase creativity? *Journal of Personality and Social Psychology*, 74, 704-714.

Books

Sternberg, R.J., & Pretz, J.E. (Eds.). (2005). *Cognition and intelligence: Identifying the mechanisms of the mind*. New York: Cambridge University Press.

Sternberg, R.J., Kaufman, J.C., & Pretz, J.E. (2002). *The creativity conundrum: A propulsion model of kinds of creative contributions*. New York: Psychology Press.

Conference proceedings

Pretz, J.E. (2007). The interaction of strategy use and experience in intuitive and analytical problem solving. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the 29th Annual Cognitive Science Society* (pp. 1397-1402). Austin, TX: Cognitive Science Society.

Non-peer-reviewed publications

Pretz, J.E. (2008). Accuracy of intuition depends on experience and problem complexity. *Periodicals of Implicit Cognition*. <http://www.implab.org/public/PIC10.pdf>.

Sternberg, R.J., Lubart, T.I., Kaufman, J.C., & Pretz, J.E. (2005). Creativity. In K. Holyoak & R. Morrison (Eds.), *Cambridge handbook of thinking and reasoning*, (pp. 351-369). New York: Cambridge University Press.

Pretz, J.E., & Sternberg, R.J. (2005). Unifying the field: Cognition and intelligence. In R.J. Sternberg & J.E. Pretz (Eds.), *Cognition and intelligence: Identifying the mechanisms of the mind*, (pp. 306-318). New York: Cambridge University Press.

Pretz, J.E., Naples, A.J., & Sternberg, R.J. (2003). Recognizing, defining, and representing problems. In J.E. Davidson & R.J. Sternberg (Eds.), *The psychology of problem solving*, (pp. 3-30). New York: Cambridge University Press.

Sternberg, R.J., Pretz, J.E., & Kaufman, J.C. (2003). Types of innovations. In L. Shavinina (Ed.), *The international handbook of innovation*, (pp. 158-169). Mahwah, NJ: Lawrence Erlbaum Associates.

Antonakis, J., Hedlund J., Pretz, J., & Sternberg, R.J. (2002). Exploring the nature and acquisition of tacit knowledge for military leadership (Army Research Institute for the Behavioral and Social Sciences. Research Note 2002-04). Alexandria, VA.

Pretz, J.E. (2002). Calling all memory researchers to reconsider assumptions about infant memory. Review of C. Rovee-Collier, H. Hayne, & M. Colombo, The development of implicit and explicit memory. *Contemporary Psychology: APA Review of Books*.

Wolfradt, U., Pretz, J., & Sommer, S. (2000). Ost-West-Unterschiede bezüglich der Religiosität unter protestantischen Studierenden [East-West differences in religiosity among Protestant students.]. In C. Henning & E. Nestler (Eds.), *Religionspsychologie heute [Psychology of Religion Today]* (pp. 347-359). Series eds. C. Henning, E. Nestler, & W. Sparn, Einblicke. Beiträge zur Religionspsychologie [Insights: Contributions to the Psychology of Religion]. Peter Lang: New York.

Manuscripts in Progress

Pretz, J.E., Brookings, J.B., & †Carlson, L.A. (in preparation). Development and validation of the Types of Intuition Scale (TIntS).

Pretz, J.E., & Folse, V.N. (under revision). Nursing experience and preference for intuition in decision making.

Pretz, J.E., †Totz, K.S., & Kaufman, S.B. (under revision). The effects of mood, cognitive style, and cognitive ability on implicit learning. *Learning and Individual Differences*.

Pretz, J.E., & Zimmerman, C. (under revision). When the goal gets in the way: The interaction of goal specificity and task difficulty. *Thinking and Reasoning*.

Invited Talks

Pretz, J.E. (2008, November). Intuition: What it is and when to trust it. Talk selected for the Faculty Colloquium Series at Illinois Wesleyan University, Bloomington, IL.

Pretz, J.E. (2008, August). Implicit and explicit strategies for solving complex problems. Talk presented at the Motorola Corporation, Schaumburg, IL.

Pretz, J.E. (2005, October). Intuition and analysis in everyday problem solving. Talk presented at the University of Illinois. Champaign, IL.

Pretz, J.E. (2005, March). Strategy in everyday problem solving: When intuition is intelligent. Talk presented at Illinois State University. Normal, IL.

Presentations

Pretz, J.E., & Brookings, J.B. (2009, July). Development and Preliminary Validation of the Types of Intuition Scale (TIntS). Poster presented at the Association for Research in Personality. Evanston, IL: July 17-18.

Pretz, J.E., & Zimmerman, C. (2008, July). When a Bad Strategy is Worse than No Strategy at All: The Interaction of Implicit vs. Explicit Processing With Problem Complexity. Poster presented at the XXIX International Congress of Psychology. Berlin, Germany: July 20-25.

Pretz, J.E., Brookings, J.B., & Carlson, L.A. (2008, July). Development of the Types of Intuition Scale (TIntS). Poster presented at the XXIX International Congress of Psychology. Berlin, Germany: July 20-25.

Zimmerman, C., & Pretz, J.E. (2008, June). When a Bad Strategy is Worse than No Strategy at All: The Interaction of Implicit vs. Explicit Processing With Problem Complexity. Talk presented at the Second Annual Illinois Data Conference. Carbondale, IL: June 6.

Pretz, J.E., & Zimmerman, C. (2008, February). When It Helps to Think Less: The Interaction of Implicit vs. Explicit Processing With Problem Complexity. Talk presented at the Natural Science Colloquium Series at Illinois Wesleyan University. Bloomington, IL.

Pretz, J.E., & Zimmerman, C. (2007, August). Rule Discovery in the Balance Task Depends on Strategy and Rule Complexity. Poster presented at the annual meeting of the Cognitive Science Society. Nashville, TN: August 1-4.

Zimmerman, C. & Pretz, J.E. (2007, June). Manipulating and Measuring Strategy Use in Rule Discovery on the Balance Task. Talk presented at the Illinois Data Conference. Normal, IL: June 8.

Pretz, J.E. (2006, May). Measuring individual differences in reliance on dual processes. Poster presented at the annual meeting of the Association for Psychological Science. New York: May 25-28.

Pretz, J.E., & †Hendrickson, M.J. (2005, May). Is there a distinction between cognitive and emotional intuition?. Poster presented at the annual meeting of the American Psychological Society. Los Angeles: May 26-29.

Pretz, J.E. (2004, November). Intuition in practical problem solving. Talk presented at the Natural Science Colloquium Series at Illinois Wesleyan University. Bloomington, IL.

Pretz, J.E. (2004, May). Successful intuitive and analytical problem solving depends on experience and cognitive style. Poster presented at the annual meeting of the American Psychological Society. Chicago: May 27-30.

Pretz, J.E. (2004, April). Designing group activities. Poster presented at the 6th Annual Yale Spring Teaching Forum. New Haven, CT.

Pretz, J.E. (2003, April). Solving life's problems: When to analyze and when to trust your intuition. Talk presented at the PACE Lunch Series at Yale University. New Haven, CT.

Rozenblit, L., & **Pretz, J.** (2003, February). Using learning groups in an introductory psychology class: Why and how. Poster presented at the 5th Annual Yale Spring Teaching Forum: Complexity in the classroom. New Haven, CT.

Pretz, J.E. (2001, September). Expert-novice differences in tacit knowledge: The role of metacognitive skills. Talk presented at the PACE Lunch Series at Yale University. New Haven, CT.

Pretz, J.E., & Sternberg, R.J. (2001, June). Implicit and explicit views of transfer in insight problem solving. Poster presented at the annual meeting of the American Psychological Society. Toronto: June 14-17.

Pretz, J.E. (2001, February). Implicit processing aids problem solving: When to incubate ideas and trust intuitions. Talk presented at the PACE Lunch Series at Yale University. New Haven, CT.

Pretz, J.E., & Sternberg, R.J. (2000, April). Implicit and explicit views of transfer in insight problem solving. Talk presented at the Cognitive Lunch Series at Yale University. New Haven, CT.

Eisenberger, R., Armeli, S., & **Pretz, J.** (1997, April). Can the promise of reward increase creativity? Paper presented at the Biennial Meeting of the Society for Research in Child Development. Washington, DC: April 3-6.

GRANTS HONORS AND AWARDS

Illinois Wesleyan Faculty Colloquium Series, presenter, Fall 2008

Junior Faculty Leave, Illinois Wesleyan University, Fall 2007

Artistic and Scholarly Development Grant, \$3,500, Illinois Wesleyan University, 2007

Curriculum Development Grant, \$2,000, Cognitive Laboratory course component, Illinois Wesleyan, 2006

Artistic and Scholarly Development Grant, \$3,455, Illinois Wesleyan University, 2005

Curriculum Development Grant, \$2,000, Psychology of Creativity, Illinois Wesleyan University, 2005

APA Dissertation Research Award, 2003
 APF/COGDOP Graduate Research Scholarship in Psychology, 2002-03
 Yale University Dissertation Fellowship, 2002-03
 John F. Enders Dissertation Research Grant, Yale University, Summer 2002
 American Psychological Society Student Caucus Travel Award, June 2001
 American Psychological Society Student Caucus Student Research Competition Award, June 2001
 Yale University Graduate Student Fellowship, 1998-2002
 Award for Professional Potential in Psychology, Wittenberg University, 1997
 Presidential Scholar, Wittenberg University, 1996
 Phi Beta Kappa, Wittenberg University, 1996
 Psi Chi, Wittenberg University, 1995
 National Merit Scholar, Wittenberg University, 1993

TEACHING

Courses Taught at Illinois Wesleyan

Psychology 212: Perception and Cognition (every semester)
 Psychology 300: Research Methods in Psychology (every semester)
 Psychology 312: Experimental Research in Cognitive Psychology (every Spring semester)
 Psychology 332: Psychology of Creativity (occasionally)
 Psychology 400/401: Senior Thesis (occasionally)

Mentoring of Undergraduates

2009-2010

Jenni Sobyra, senior honors thesis

2008-09

Melanie Essayans, senior thesis, "Understanding Creativity in College Students: How Creativity, Experience, and the Openness Personality Trait Interact"

Allison Heim, senior thesis, "The Use of Intuition by Student Nurses and Its Effect on Clinical Competency"

2007-08

Lauren Carlson, senior honors thesis, "Validating a New Measure of Holistic, Inferential, and Affective Intuition"

Craig Landers, senior thesis, "Development of Creativity in Arts and Sciences Majors"

2006-07

Sarah Flores, senior honors thesis, "Practical Problems and Decision Making: The Effect of Strategy and Experience"

Kathy Sentman, senior honors thesis, "The Effect of Mood on Implicit Learning"

2005-06

Kathy Sentman, independent study, "Strategy Use in Scientific Reasoning" (fall semester)

Amy Kowalski, senior honors thesis, "Intuition Versus Analysis—Which Process is Most Appropriate for Solving Everyday Problems?"

Emily Eickhorst, independent study, "Strategy and Experience in Practical Problem Solving"

2004-05

Matt Hendrickson, independent study, 2004-05, "The Nature of Intuition"

SERVICE

Service to Illinois Wesleyan

Institutional Review Board member, Fall 2005 to present; Co-chair, Summer 2008

Peace Fellows committee, Spring 2007 to present

Writing Implementation Committee, Spring 2008 to present

Mellon Center Advisory Committee member, Fall 2005 to present

Critical Thinking research project (Teagle grant) grader, Summer 2006

Phi Beta Kappa Committee member, Spring 2005

Psi Chi advisor, Fall 2004 to Spring 2007

Psychology Faculty Search Committee member

Social, 2005-06; Developmental, 2006-07, 2008-09; Neuroscience, 2006-07; Visitor search, 2008

Service to field

International Journal of Creativity and Problem Solving, editorial board member

Cognitive Science Society, reviewer

European Journal of Cognitive Psychology, reviewer

Memory and Cognition, reviewer

Personality and Individual Differences, reviewer

Psychology of Aesthetics, Creativity, and the Arts, reviewer

Psychonomic Bulletin and Review, reviewer

Sage Publications, reviewer

PROFESSIONAL AFFILIATIONS

Cognitive Science Society

Association for Psychological Science

American Psychological Association

APA Division 2, Society for the Teaching of Psychology

APA Division 10, Society for the Psychology of Aesthetics, Creativity, and the Arts

Midwestern Psychological Association