

— CURRICULUM VITAE —

## Robert F. Williams

Associate Professor

Education Department  
Linguistics and Cognitive Science Programs

LAWRENCE UNIVERSITY  
APPLETON, WISCONSIN

### CONTACT

Mail: 711 E. Boldt Way SPC 22, Appleton, WI 54911-5699  
Telephone: (920) 993-6276  
Fax: (920) 832-6884  
E-mail: robert.f.williams@lawrence.edu  
Website: www.lawrence.edu/fast/williaro

### EDUCATION

- 2004      Doctor of Philosophy in Cognitive Science  
Dissertation: *Making Meaning from a Clock: Material Artifacts and Conceptual Blending in Time-Telling Instruction*  
University of California, San Diego
- 2000      Master of Science in Cognitive Science  
Thesis: "Getting the Joke: An ERP Study of Asymmetries in Semantic Processing"  
University of California, San Diego
- 1992      Master of Arts in Curriculum and Instruction  
Secondary English Language Arts and Foreign Language  
University of Colorado at Denver
- 1985      Bachelor of Science in Mechanical Engineering, *with highest distinction*  
Bachelor of Arts, German major, *with highest distinction*  
Study abroad in Hamburg and Hannover (Germany) and Grenoble (France)  
Purdue University, West Lafayette, Indiana

## EMPLOYMENT HISTORY

- 2010- Associate Professor  
Education Department; Linguistics and Cognitive Science Programs  
Lawrence University
- 2004-2010 Assistant Professor  
Education Department; Linguistics and Cognitive Science Programs  
Lawrence University
- 2003-2004 TA Consultant (part-time)  
Center for Teaching Development  
University of California, San Diego
- 1999-2003 Teaching Assistant and Associate; Research Assistant (part-time)  
Department of Cognitive Science  
University of California, San Diego
- 1998-1999 German Instructor (part-time)  
Linguistics Language Program  
University of California, San Diego
- 1996-1997 Visiting Lecturer in English  
University of Passau  
Germany
- 1993-1998 High School Teacher, German and English  
Director, GAPP Student Exchange Program with Comenius-Gymnasium  
(Deggendorf, Germany)  
Jefferson County Public Schools  
Golden, Colorado
- 1990-1993 Children's Ski Instructor (part-time)  
Keystone Ski School  
Keystone, Colorado
- 1985-1991 Systems Engineer (full-time) & Media Spokesperson (part-time)  
IBM Corporation  
Denver, Colorado

## PROFESSIONAL AFFILIATIONS

American Educational Research Association (AERA)  
 International Cognitive Linguistics Association (ICLA)  
 International Society for Gesture Studies (ISGS)  
 International Society of the Learning Sciences (ISLS)

## AWARDS &amp; HONORS

2007 Finalist for Spencer Exemplary Dissertation Award  
 2003-2004 Spencer Dissertation Fellowship for Research Related to Education  
 2003 Nominee for University Distinguished Teaching Award  
 2002-2003 Hepps Fellowship  
 2002 Department of Cognitive Science Teaching Award  
 1999-2000 Center for Research in Language Fellowship  
 1992 *Kappa Delta Pi* Education Honor Society  
 1985-1991 IBM Regional and Branch Managers' Awards  
 1981-1985 Honor Societies in Engineering & the Liberal Arts (*Phi Beta Kappa*)  
 1981-1985 Kodak Scholar  
 1980 Purdue President's Honor Award

## PROFESSIONAL ACTIVITIES

Reviewer Journals – *American Journal of Media Psychology*; *Cognitive Science*; *Cognitive Science Online*; *Cognitive Semiotics*; *Educational Researcher*; *International Journal of Applied Linguistics*; *Journal of Pragmatics*; *Language & Cognition*  
 Conferences – American Educational Research Association; Cognitive Science Society; Conceptual Structure, Discourse, and Language; International Cognitive Linguistics Conference; International Conference of the Learning Sciences; International Society for Gesture Studies  
 Session Chair American Educational Research Association (2005); Conceptual Structure, Discourse & Language (2006); International Cognitive Linguistics Conference (2007); International Society for Gesture Studies (2010)  
 Discussant Conference on Tutorial Education, Lawrence University (2007)

## RESEARCH SABBATICAL

2011 Visiting Professor in Natural Media & Engineering, Human Technology Centre, RWTH Aachen University, Germany  
 (Summer Semester: April to July)

#### UNIVERSITY SERVICE

Chair, Committee on Assessment (2010-present)

Chair, Committee on Teacher Education (2006-2010)

Member, President's Task Force on Individualized Learning (2006-07)

Member, Grievance Board (2006-08)

Chair, Committee on Teaching Development (2005-06)

President, Wisconsin Gamma-Delta Chapter of the Phi Beta Kappa Society (2009-10)

Vice President, Wisconsin Gamma-Delta Chapter of the Phi Beta Kappa Society (2008-09)

Faculty Advisor, LU Unitarian Universalist Student Group (2008-present)

#### RECENT COMMUNITY SERVICE

Executive Council, White Heron Chorale (2007-2011)

Governing Board, Fox Valley Unitarian Universalist Fellowship (2008-2010)

COURSES TAUGHT AT LAWRENCE UNIVERSITY (2004-PRESENT)

*Teacher Education Program*

Education Studies 180: Psychology of Learning [Psychology 180]  
Education 310: Cognitive Diversity in Education [replaced by Education 430 & 431]  
Education 430: Educating All Learners  
Education 431: Educating All Learners-Music  
Education 650: Student Teaching  
Education 660: Advanced Methods in Teaching

*Linguistics & Cognitive Science*

Education Studies 180: Psychology of Learning [Psychology 180]  
Education Studies 345: Distributed Cognition [Anthropology 345 / Psychology 345]  
Linguistics 470: Cognitive Linguistics  
Linguistics 545: Gesture Studies [Education Studies 545 / Psychology 545]

*General University Courses*

FRST 101: Freshman Studies II

*Tutorials & Independent Studies*

Artificial Life and Language Emergence  
Assessment in Second Language Learning  
Computational Semantics  
Conceptual Integration and Skill Learning  
Frames in Political Discourse  
Issues in Bilingual Education  
Literacy Acquisition in English Language Learners  
Mood-Dependent Memory Effects  
Motivation and Learning  
Reading to Learn in School Content Areas  
Theory and Practice in Second Language Acquisition

*ArtsBridge*

Faculty mentor (2006-2009)

*Björklunden Weekends*

CMENC Music Education Weekend, 7 Jan 2006  
German Immersion Weekend, 5-7 May 2006  
Linguistics Weekends, 14-16 Apr 2006, 30 Nov-2 Dec 2007, 8-10 May 2009, 4-6 Mar 2011  
Student Teacher Retreats, 28-30 Sep 2007, 7-9 Nov 2008, 13-15 Nov 2009, 5-6 Nov 2010

COURSES TAUGHT AT UNIVERSITY OF CALIFORNIA, SAN DIEGO (1998-2003)

*Cognitive Science*

Cognitive Science 1: Introduction to Cognitive Science

Cognitive Science 101C: Language and Reasoning (teaching assistant)

Cognitive Science 102A: Distributed Cognition (teaching assistant)

Cognitive Science 130: Everyday Cognition (teaching assistant)

Cognitive Science 132 / 102C: Cognitive Engineering (teaching assistant)

*Linguistics Language Program*

German Conversation, Grammar, and Reading (instructor)—various courses, beginning to intermediate levels

COURSES TAUGHT AT UNIVERSITY OF PASSAU, GERMANY (1996-97)

GS 2: The second foundational course in English for English and American studies, education, and international business students

GLC II: The second course in English for law students

## PUBLICATIONS

- Mittelberg, I. & Williams, R. F. (eds.) (in prep.). Image schemas and gesture: special issue. *Gesture*, 12 (2).
- Williams, R. F. (in prep.). Path schemas in gesturing for thinking and teaching. For *Gesture*, 12 (2) special issue.
- Williams, R. F. (in prep.). Gesture and distributed cognition. To appear in C. Müller, E. Fricke, A. Cienki, & D. McNeill (eds.), *Body—Language—Communication*. Berlin: Mouton de Gruyter.
- Potsch, E., & Williams, R. F. (in press). Image schemas and conceptual metaphor in action comics. In F. Bramlett (ed.), *Linguistics and the Study of Comics*. New York: Palgrave Macmillan.
- Williams, R. F. (2011). Image schemas in clock-reading: Latent errors and emerging expertise. *Journal of the Learning Sciences* special issue on embodied mathematical cognition, guest edited by R. Hall & R. Nemirovsky.
- Williams, R. F. (2008). Distributed cognition. In E. M. Anderman (ed.), *Psychology of Classroom Learning: An Encyclopedia*. Detroit: Macmillan Reference USA.
- Williams, R. F. (2008). Gesture as a conceptual mapping tool. In A. Cienki & C. Müller (eds.), *Metaphor and Gesture [Gesture Studies 3]* (pp. 55-92). Amsterdam: John Benjamins.
- Williams, R. F. (2008). Guided conceptualization: Mental spaces in instructional discourse. In T. Oakley & A. Hougaard (eds.), *Mental Spaces in Discourse and Interaction* (pp. 209-234). Amsterdam: John Benjamins.
- Williams, R. F. (2006). Using cognitive ethnography to study instruction. In S. A. Barab, K. E. Hay, and D. T. Hickey (eds.), *Proceedings of the 7th International Conference of the Learning Sciences* (vol. 2, pp. 838-844). International Society of the Learning Sciences (distributed by Lawrence Erlbaum Associates).
- Coulson, S., & Williams, R. F. (2005). Hemispheric asymmetries and joke comprehension. *Neuropsychologia*, 43, 128-141.
- Williams, R. F. (1993). Gay and lesbian teenagers: A reading ladder for students, media specialists, and parents. *The ALAN Review*, 20(3).
- Williams, R. F. (1992, spring). Joey gets literate: A short story about the effects of schooling on a child's developing literacy. *The Edge*, literary magazine of the University of Colorado at Denver.

## CONFERENCE PAPERS

- Coordinating and sharing gesture space in collaborative reasoning. For the theme session “Within and across spaces: Towards multi-dimensional models of gesture space,” *3<sup>rd</sup> Conference of the Scandinavian Association for Language and Cognition*, University of Copenhagen, Denmark, 14-16 June 2011.
- Gesture, conceptualization, and distributed cognition. Plenary presentation for *The Embodied Mind: Motion in Communication and Cognition Research*, RWTH Aachen University, Germany, 8-9 April 2011.
- Cognitive models and the partisan divide: A study of the debate over health care reform. *10<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language*, University of California, San Diego, 16-19 September 2010. (Poster co-authored with Madeline Herdeman, Lawrence Class of 2010.)
- Building a better oarsman: Conceptual integration and motor learning in rowing instruction. *10<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language*, University of California, San Diego, 16-19 September 2010. (Poster co-authored with Nicholas Carson Miller, Lawrence Class of 2010.)
- Gesture in everyday scientific reasoning and explanation. *4<sup>th</sup> Conference of the International Society for Gesture Studies*, European University Viadrina Frankfurt (Oder), Germany, 25-30 July 2010.
- Using conceptual integration to develop physical skills: Motor-concept linking and intermediary mapping. Accepted for the *11<sup>th</sup> International Cognitive Linguistics Conference*, University of California, Berkeley, 28 July-3 August 2009. (Co-authored with Lawrence students Nicholas Carson Miller '10 and Emily C. Gaudinski '08.)
- Motion and force in a static art form: Image schemas and conceptual metaphor in American superhero comics. Accepted for the *11<sup>th</sup> International Cognitive Linguistics Conference*, University of California, Berkeley, 28 July-3 August 2009. (Co-authored with Lawrence student Elisabeth Potsch '08.)
- Situating cognition through conceptual integration. *9<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language*, Case Western Reserve University, Cleveland, OH, 18-20 October 2008.
- Path schemas in gesturing for thinking and teaching. For the theme session “Motivation in gesture: Image and motor schemas and their metaphorical extensions.” *3<sup>rd</sup> International Conference of the German Cognitive Linguistics Association*, Leipzig, Germany, 25-27 September 2008.
- Latent errors and emerging expertise in clock-reading. *2008 Annual Meeting of the American Educational Research Association*, New York, NY, 24-28 March 2008.
- Embodiment in learning to read a clock. *Research on Embodied Mathematical Cognition, Technology and Learning*, Center for Advanced Study in the Behavioral Sciences, Palo Alto, CA, 10-11 December 2007.
- Counting and conceptual blending. *10<sup>th</sup> International Cognitive Linguistics Conference*, Krakow, Poland, 15-20 July 2007.
- Using mapping and anchoring gestures to establish common ground. For the theme session “Common Ground.” *3<sup>rd</sup> Conference of the International Society for Gesture Studies*, Northwestern University, Evanston, IL, 18-21 June 2007.

- Latent errors and conceptual change. *8<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language*, University of California, San Diego, 3-5 November 2006.
- The image-schematic structure of pointing. Poster for the *2<sup>nd</sup> International Conference on Language, Culture, and Mind*, Paris, 17-20 July 2006; *3<sup>rd</sup> Conference of the International Society for Gesture Studies*, Northwestern University, Evanston, IL, 18-21 June 2007; and *10<sup>th</sup> International Cognitive Linguistics Conference*, Krakow, Poland, 15-20 July 2007.
- Instruction as guided conceptualization. *2<sup>nd</sup> International Conference on Language, Culture, and Mind*, Paris, France, 17-20 July 2006.
- Using cognitive ethnography to study instruction. *7<sup>th</sup> International Conference of the Learning Sciences*, Indiana University, Bloomington, 27 June-1 July 2006.
- Material anchors and conceptual blends in instructional discourse. For the theme session "Mental spaces approaches to discourse and interaction." *9<sup>th</sup> International Pragmatics Conference*, Riva del Garda, Italy, 10-15 July 2005.
- Gesture as a tool for conceptual mapping. For the theme session "The role of gesture in teaching and learning concepts in mathematics and science" (chair). *2005 Annual Meeting of the American Educational Research Association*, Montreal, Canada, 11-15 April 2005.
- Building anchored blends: Gesture and co-gesture speech in instructional discourse. *7<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language*, University of Alberta, Canada, 8-10 October 2004.
- Building a cognitive system to tell the time. *UCSD Graduate Research Symposium*, University of California, San Diego, 30 January 2004.
- Material structure and conceptual integration in time-telling instruction. *8<sup>th</sup> International Cognitive Linguistics Conference*, Logroño, Spain, 20-25 July 2003.
- Using cognitive ethnography to study conceptual blending and cognitive artifacts in situated activity. *1<sup>st</sup> Conference on Empirical Methods in Cognitive Linguistics*, Cornell University, Ithaca, NY, 2-4 May 2003.

## ADDITIONAL CONFERENCES AND SCHOLARLY ACTIVITIES

- Metaphorik.de Workshop*: “Taking stock of figurative language and thought: On the past, present, and future of applied research on metaphor.” Katholische Akademie Die Wolfsburg, Mühlheim an der Ruhr, Germany, 21 May 2011.
- Cologne-Aachen Interdisciplinary Colloquium on Gesture and Motion in Communication*, German Sport University Cologne & Human Technology Centre, RWTH Aachen University, Germany, April to July 2011.
- Cognition and Semiosis: Pluridisciplinary Approaches to Multimodal Interaction*, Natural Media and Engineering research colloquium, RWTH Aachen University, Aachen, Germany, April to July 2011.
- Advanced Gesture Analysis*, graduate seminar, RWTH Aachen University, Aachen, Germany, April to July 2011.
- Leonardo Module: Natural Media of Human Communication*, interdisciplinary lecture series, RWTH Aachen University, Aachen, Germany, April to July 2011 (May 9: moderator).
- ACM Linguistics Workshop*, Björklunden vid Sjön, Lawrence University, Appleton, WI, 24-26 September 2010.
- 2010 Annual Meeting of the American Educational Research Association*, Denver, CO, 30 April-4 May 2010.
- Tutorial Assessment Conference*, Lawrence University, Appleton, WI, 28-29 August 2009.
- Frames and Constructions: A Conference in Honor of Charles J. Fillmore*, University of California, Berkeley, 31 July-2 August 2009.
- 2007 Annual Meeting of the American Educational Research Association*, Chicago, IL, 9-13 April 2007.
- Conference on Tutorial Education* (discussant), Lawrence University, Appleton, WI, 31 March-1 April 2007.
- 2006 Annual Meeting of the American Educational Research Association*, San Francisco, CA, 7-11 April 2006.
- ACM Urban Education Workshop*, Chicago, IL, 8-10 December 2005.
- Freeman Study Tour of Japan* with school visits, Lawrence University, Appleton, WI, 15-24 June 2005.
- ACM Learning Conference*, Lake Forest College, IL, 5-6 March 2005.
- 2004 Annual Meeting of the American Educational Research Association*, San Diego, CA, 12-16 April 2004.
- 25<sup>th</sup> Meeting of the Cognitive Science Society* (student worker), Boston, MA, 30 July-2 August 2003.
- 7<sup>th</sup> International Cognitive Linguistics Conference*, University of California, Santa Barbara, 22-27 July 2001.
- 2001 Annual Meeting of the American Educational Research Association*, Seattle, WA, 10-14 April 2001.
- 5<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language*, University of California, Santa Barbara, 11-14 May 2000.
- 6<sup>th</sup> International Cognitive Linguistics Conference*, Stockholm, Sweden, 10-16 July 1999.

## OTHER PROFESSIONAL DEVELOPMENT ACTIVITIES

*Innovation Workshop with Curtis Carlson (CEO of SRI)*, Lawrence University, Appleton, WI, 2 February 2011.

*QPR Suicide Prevention Training*, Lawrence University, Appleton, WI, 22 September 2010 & 27 January 2011.

*Wisconsin Department of Public Instruction / Institutes of Higher Education Summer Institute on Preparing All Educators for All Learners: Research to Practice*, Wisconsin Dells, WI, 24-25 May 2010.

*Assessment/Rubrics Workshop with Doug Eder*, Lawrence University, Appleton, WI, 11 February 2010.

*Critical Questioning Workshop with Laura Greene*, Lawrence University, Appleton, WI, 9 February 2006.

*Transana Workshop*, Department of the Learning Sciences, University of Wisconsin, Madison, 18-19 January 2007.

*Liberal Learning Reading/Discussion Group*, Lawrence University, 5 September 2006.

*Teaching Circle: Improving Student Reading*, Lawrence University, September-December 2005.

*Freshman Studies Symposiums*, Lawrence University, Appleton, WI, 8-10 September 2004; 6-8 September 2006; 12 September 2008.

*Preparing Professional Faculty* workshop series, Center for Teaching Development, University of California, San Diego, 2002-03.

*Fred Jones' Tools for Teaching* presentations and workshops, Denver, CO, 1995, 1998; San Diego, CA, 2004.

*Total Physical Response & TPR Storytelling* workshops, Denver, CO, 1994, 1996.

*Learner-Centered Instruction* international German teacher seminar, Goethe Institute, Munich, Germany, 28 June-7 July 1995.

*German American Partnership Program (GAPP) seminars*, San Francisco, CA, 27-29 January 1995; Aachen, Germany, 23-25 June 1995.

*Executive Television Workshops*, New York, NY, 9 September 1988; 27 February 1989.

*IBM Entry Marketing Education*, Dallas, TX, 1985-86.

## INVITED LECTURES

- Distributed cognition and conceptual integration. For the graduate course *Semiotics and Embodied Cognition in the Digital Age*, Bonn-Aachen International Center for Information Technology, Bonn, Germany, 29 June 2011.
- What you can do with your hands (besides the obvious). *Science Slam*, Jakobshof / Aachen, Germany, 11 May 2011.
- Functions of gestures. For the graduate course *Advanced Gesture Analysis*, RWTH Aachen University, Aachen, Germany, 26 April 2011.
- Gesture coupling body, mind, and world. Cognitive Science Colloquium, Case Western Reserve University, Cleveland, OH, 20 April 2011.
- Thinking differently. For the CMENC Educating Exceptional Learners Workshop, Lawrence University, Appleton, WI, 26 April 2009.
- Logic and reasoning. For the undergraduate course *Cognitive Psychology*, Lawrence University, Appleton, WI, 12 November 2008.
- Functions of gesture during instruction: Conceptual mapping, anchoring, and blending. Berlin Gesture Center, Berlin, Germany, 29 September 2008.
- Individualizing learning in Freshman Studies. For the *Freshman Studies Symposium*, September 2008 [co-taught with Beth De Stasio].
- Connectionism and language acquisition. For the undergraduate course *Second Language Acquisition*, Lawrence University, Appleton, WI, 26 November 2007.
- Measuring hemispheric asymmetries in joke comprehension. For the Linguistics Tea, Lawrence University, Appleton, WI, 10 May 2007.
- The brain and learning. For the graduate course *Human Development and Learning*, National Louis University, Appleton, WI, 26 March 2007.
- What is expertise? Insights from the psychology of learning. *Fall Festival* mini-course, Lawrence University, Appleton, WI, 21 October 2006.
- Cognitive linguistics meets cognitive ethnography. For the Lawrence University Linguistics Retreat, Björklunden vid Sjön, WI, 15 April 2006.
- Fundamentals of instructional design. For the Lawrence Conservatory Music Education Retreat, Björklunden vid Sjön, WI, 7 January 2006.
- Lessons from a cognitive ethnography of time-telling instruction. *Learning Sciences Colloquium Series*, University of Wisconsin-Madison, 30 September 2005.
- A cognitive scientist looks at time-telling and time-telling instruction. *First Chance, Last Chance* lecture series, Lawrence University, Appleton, WI, 3 February 2005.
- The German political and education system. For the undergraduate course *European Democracies*, Lawrence University, Appleton, WI, fall 2004.
- The cognitive ecology of time-telling. Cognitive Science Department, University of California, San Diego, 26 April 2004.
- The construction of meaning in time-telling lessons (update). *Spencer Foundation Spring Fellows' Forum*, San Diego, CA, 12 April 2004.
- Conceptual mappings in time-telling. For the graduate course *Current Controversies in Conceptual Mappings: Theoretical and Methodological Issues*, University of California, San Diego, 6 April 2004.

Making meaning from a clock. For the undergraduate course *Introduction to Cognitive Science*, University of California, San Diego, 26 November 2003 & 27 April 2004.

Meaning construction in clock-reading lessons. *Spencer Foundation Fall Fellows' Forum*, Atlanta, GA, 3 October 2003.

Using TPR Storytelling to teach language. English Department, Comenius-Gymnasium, Deggendorf, Germany, July 1998.