



Rob Reilly Ed.D.

164 South Main Street, Lanesborough, MA USA 01237
USA 413.443.6153 (home)
reilly@media.mit.edu

● EDUCATION

Doctor of Education, University of Massachusetts Amherst
Master of Education, Springfield College, Springfield, Mass
Bachelor of Science, University of Massachusetts Amherst

● RECENT PROFESSIONAL AWARDS & HONORS

- **IEEE William E. Sayle II Award for Achievement in Education** given in 2010 by the IEEE Education Society "for pioneering development in the theory and practice of educational pedagogy."
- **Larry K. Wilson Transnational Award** given in 2006 by the Regional Activities Board for "distinguished contributions to globalization and international cooperation through the establishment and development of education activities in chapters."
- **Edwin C. Jones, Jr. Meritorious Service Award** given in 2006 by IEEE Education Society "to recognize pioneering contributions to the administrative efforts of the Society over a period of years, as evidenced by dedication, effort, and contributions."
- **Distinguished Contributions in a Pre-College Environment Award** given in 2003 IEEE Computer Society for "vision and leadership in developing international virtual learning communities to evolve K-12 educational theory, curriculum and pedagogy through the active exchange of information, ideas, and technological innovation."
- **Best Paper Award**, given at 2001 International Conference of Advanced Learning Technologies (ICALT), Madison, Wisconsin. Co-author of paper entitled: An Affective Model of the Interplay Between Emotions and Learning.
- **Pathfinder Award**, given in 1992 by the Massachusetts Department of Education's Educational Technology Advisory Committee for developing, building, and deploying innovative on-line educational technology.

● PROFESSIONAL POSITIONS

MASSACHUSETTS COLLEGE OF LIBERAL ARTS, North Adams, Massachusetts USA

- **Visiting Assistant Professor**, Education Department (2001-2006, 2010) — teach graduate course:
 - Technology Issues and Solutions for Administrators
 - Instructional Technology for Special Needs
 - Introduction to Educational Technology
 - Foundations of Educational Technology
 - Leadership in Instructional Technology
 - Technology Evaluation and Assessment
- **Laboratory School Teacher**, Education Department (1978-81) — classroom teacher at MCLA's elementary school and supervisor of pre-service teaching experiences for education majors.

UNIVERSITY OF MEMPHIS, Memphis, Tennessee USA

- **Research Scientist**, Institute of Intelligent Systems (2000-2006) — create, research and evolve innovative affective/cognitive learning theories.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Massachusetts USA

- **Visiting Scientist**, The Media Lab (2000-2005) — create, research and evolve innovative affective/cognitive learning theories.
- **Visiting Scientist**, Center for Educational Computing Initiatives (1999-2000) —research and evolve innovative computer-based applications.

UNIVERSITY OF MASSACHUSETTS AT AMHERST, Amherst, Mass. USA

- **Post Doctoral Research Associate**, Office of Information Technologies (1997-1999) — develop policy recommendations for the IT infrastructure.
- **Teaching Associate**, School of Education (1995-1996) — facilitate professional development via *EdNet@UMass*—the School of Education's electronic distance learning Mailing List for in-service educators—2,000+ subscribers.

Pre-college (K-12)...

LANESBOROUGH PUBLIC SCHOOL SYSTEM, Lanesborough, Massachusetts USA

- **Computer Education Teacher**, Lanesborough Elementary School (1985-present) — develop computer education curriculum, teach computer education.

RECENT SPONSORED RESEARCH

- Co-Principal Investigator of a project entitled: *Industry Continuing Education Development (ICED)*. An 18-month USD\$25,000 grant from the IEEE New Initiatives Program (2009-SG06— August 2009 through February 2011).
- Principal Investigator of a project entitled: *Mainstreaming Engineers in Africa and the Middle East*. An 18-month USD\$28,000 grant from the IEEE Foundation, Inc (#2006-017 — August 2006 through February 2008).
- Co-Principal Investigator of an MIT Media Lab/University of Memphis research project entitled: *Monitoring Emotions While Students Learn with AutoTutor*. A 5-year USD\$1.3M grant from the National Science Foundation (REC #0325428 — September 2003 through August 2008).
- Co-Principal Investigator of an MIT Media Lab research project entitled: *The Role of Emotion in Propelling the Learning Process*. A 3-year USD\$918,888 grant from the National Science Foundation (REC #0087768 — November 2000 through October 2003).

RECENT KEYNOTE/INVITED PRESENTATIONS

- *Leadership in Engineering Education*, Keynote Presentation, IEEE AndesCon, Bogota, Colombia November 2010
- *Educational Pedagogy Applied to Computer Gizmos*, Invited Presentation, Hong Kong University, Hong Kong, July 2009
- *Emotions Impact Learning: Invoking the Teachable Moment All the Time*, Invited Presentation, Universiti Teknologi Malaysia, Skudai, Malaysia, July 2009
- *This is the IEEE Education Society*, Invited Presentation, IEEE-EAB Workshop, Shenzhen, People's Republic of China, 2009
- *Policy, Schmolicy: Technology Does Not Like Rules!*, Invited Presentation, Massachusetts College of Liberal Arts, North Adams, Mass. USA, March, 2009
- *How High is Up: You Have a Ceiling Potential*, Invited Presentation, St. Petersburg Technical University, St. Petersburg, Russia, February, 2009
- *Leadership vs. Management*, Invited Presentation, Riga Technical University, Riga Latvia, February, 2009
- *Globalization and Education*, Keynote Panel Moderator, Interactive Computer Learning Conference (ICL), Villach, Austria, September 2008
- *Leadership Development: Fishing with a Friend*, Invited Presentation, 2008 IEEE Sections Congress, Quebec City, Canada, September 2008

- Winning the Nobel Prize: A Matter of Perspective, Invited Presentation, Tokyo Institute of Technology, Ookayama, Japan, July 2008
- The Science Behind the Art of Teaching a Science, Invited Presentation, Komaba Organization for Educational Development, University of Tokyo at Komaba, Komaba, Japan, July 2008.
- Education Pedagogy in the Life of an Education Major, Centennial Celebration, School of Education, University of Massachusetts at Amherst, June 2008
- The Next Major Technology Development is People, Keynote Address, IMCL 2008 Conference, Amman, Jordan, April 2008.
- Pablo Picasso was Not Just Another Artist: Why Was That?, Invited Presentation, Universidad Politecnica de Madrid, Spain , February 2008
- The Science Behind the Art of Teaching Science: It's All About Pedagogy, Invited Presentation, National Distance Education University of Spain, Madrid, Spain , February 2008

● PROFESSIONAL ORGANIZATIONS

- **Institute of Electrical and Electronics Engineers (IEEE)**
 - **IEEE (corporate level)**
 - Member, Strategic Direction and Environmental Assessment Committee, Member and Geographic Board, 2010
 - Member, TAB Newsletters Committee, 2007-present
 - Member, Pre-University Education Coordinating Committee, Educational Activities Board (EAB), 2006-2008
 - **IEEE Education Society**
 - Current Positions
 - President 2011
 - Editor, New & Notes, the news bulletin of Education Society, 2003-present
 - Webmaster, Education Society, 2003-present
 - Chair, Chapters and Regional Activity Committee, 2003-present
 - Previous Positions
 - Secretary, 2009-2010
 - Member, Administrative Committee, 2005-2008
 - Chair, Distinguished Lecturer Program, 2004-07
 - Guest Editor, *IEEE Transactions on Education*, November 2007
 - Guest Editor, *IEEE Transactions on Education*, November 2005
- **American Society for Engineering Education (ASEE)**
 - Secretary-Treasurer, Electrical and Computer Engineering Division, 2008-present
 - Webmaster, K-12 Engineering Division 2003-present
 - Chair, K-12 Engineering Division, 2004-2005

● CONFERENCES/JOURNALS

- **IEEE EDUCON, Madrid, Spain**
 - Chair, International Advisory Committee, 2008-present
 - Member, Steering Committee, 2008-present
- **International Mobile Computer Learning Conference (IMCL), Amman, Jordan**
 - Chair, International Advisory Committee, 2008-present
- **Interactive Computer Learning Conference, Villach, Austria**
 - Program Committee Member, 2004-present

● MOST RECENT PUBLICATIONS

- The Two Faces of Pre-University/K-12 Education Efforts, The Interface, August 2010.
- Why Should We Care About the Pedagogy We Use? The Interface, August 2010.

- **Restructuring Educational Pedagogy: Making Deep Changes in Traditional Delivery Methods**, The Interface, April 2010.
- **The Interface's Changing Face**, The Interface, April 2010.
- **Personal Laptops Inhabiting the School's Network**, Teachers.Net Gazette, March 2010.
- **Tornar-se um lider mundial? Uma oportunidade ao seu alcance**, IEEE-RITA, Vol. 4, No. 4, November 2009.
- **Podcasting 101**, Teachers.Net Gazette, April 2008.
- **Privacy and Technology**, Teachers.Net Gazette, March 2008.
- **Virtual Laboratories: Enhancing Deep Learning in Model-based Knowledge Domains**, IEEE Transactions on Education, February 2008.
- **Filtering the Web: Is It a Mission Impossible or Just Misdirected Policy?**, Teachers.Net Gazette, February 2008.
- **Becoming the Technology Leader and the Electronic Janitor?**, Teachers.Net Gazette, January 2008.

● RELATED PROFESSIONAL EXPERIENCES

Director, EdNet@UMass— leadership and management of the University of Massachusetts School of Education's Web based professional development mechanism serving approximately 2,000 subscribers—see www.umass.edu/ednet (1995-2001).

Member, UMass Information Technology Council's Policy Sub-Committee—conceptualizing issues and crafting policy for the University of Massachusetts system-wide committee to establish technology policy for the five campuses (1994-1998).

A Founding Director of K12Net—imagining what an on-line professional development system would be like and then creating it. K12Net is gone now—replaced by the Internet. But it was the 43 "k12" UseNet newsgroups and the 'K12NET' echo areas on FidoNet. K12Net was dedicated to curricular conversations and the conduct of on-line projects, teacher exchanges and professional development (1984-1994).