MOIRA A. GUNN

Assistant Professor
Global Information Systems and Biotechnology

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Education

- Ph.D. Mechanical Engineering, Purdue University
- M.S. Computer Science, Purdue University
- B.S. Computer Science, University of San Francisco

Teaching

- Graduate Biotechnology Sequence
- MSIS 647 Global Information Systems
- MSIS 612 Systems Design and Analysis

Academic Positions Held

- Assistant Professor, School of Business & Professional Studies
- Program Director, Information Systems – 2006-2009
- Chair, Professional Studies Program Directors' Forum – 2007-2009
- Adjunct Professor at USF in Computer Science and Professional Studies - since 1979

Current Research & Research Interests

- Emerging Global Information Systems & Sustainability
- Biotechnology and its Global Impact

Selected Papers & Publications

- *"The Future of Information,"* 2009 Libraries Distinguished Lecture, Purdue University, September, 2009
- National Academy of Engineering "Grand Challenge Summit", Duke University, Two-Day Summit Moderator and Closing Panel Moderator, March, 2009.
- "*Sustainable Transportation for the Future,"* Panel Moderator, Stanford University, Bosch Endowed Chair Inaugural Event, October, 2008.
- "*The Facts of Life in the High-Tech Age,"* Keynote, EDUCAUSE 2008, October, 2008.
- "*Climate Change and Energy Policy – Advice to the Next President,"* Panel Moderator, H. John Heinz III School of Public Policy and Management, Carnegie Mellon University, October 2008.
- *The Faces of Success,* Keynote Panel Moderator, AACC/National Science Foundation Conference on Advanced Technological Education, October, 2008.

- "*The Ethics of Biotech in a Globalized Society: Splitting Hairs vs. Splitting Genes"* "Academy in Context" Lecture, The Graduate School, Brown University, September, 2008.
- *Welcome to BioTech Nation: My Unexpected Odyssey into the Land of Small Molecules, Lean Genes, and Big Ideas.* New York: AMACOM, Publishers. June, 2007.
- "Protection of Data and Privacy in the Information Age." *Internationale Politik: The Journal of the German Council on Foreign Relations.* October, 2000.

A complete list of publications available upon request.

Selected External Service & Assignments

- Host, *Tech Nation* and *BioTech Nation*, syndicated public radio programs airing nationally on National Public Radio's XM-SIRIUS channels (1993-present)
- Member, Advisory Board, Department of Mechanical Engineering, Stanford University (2004-present)
- Member, Advisory Board, School of Mechanical Engineering, Purdue University (2008-present)
- Member, Dean's Leadership Council, College of Science, Purdue University (2003-2009)
- Member, Global Advisory Board, Trusted Computing Group (TCG), global trust and security consortium of major s/w-h/w manufacturers (2004-present)
- Member, Board of Directors, BayBIO Institute
- Member, Advisory Board, Anita Borg Institute for Women and Technology
- Board Member Emeritus, Tech Museum of Innovation
- Independent Engineering Consultant/Systems Developer. Clients include IBM, Intel, Lockheed, Morton-Thiokol, United Technologies-Pratt Whitney, USDA, US Navy, Rolls Royce and Wells Fargo Bank (1981-2006)
- NASA/Institute for Advanced Computation, Manager, Systems Development and Scientific Applications (1974-1979)

Selected Honors and Awards

- Doctorate of Science, *Honoris Causa,* Purdue University, 2009
- Commencement Speaker, UC Santa Cruz, School of Engineering, June, 2009
- Distinguished Science Alumna, Purdue University, 2008
- EE Times 2008 Educator of the Year
- Best Science Books of 2007, Library Journal - "Welcome to BioTech Nation"
- Distinguished Engineering Alumna, Purdue University, 2007
- Exemplar, National Council of Graduate Schools 2008 Congressional Report on Graduate Education and the Social Good
- Science Journalism Laureate, appointed 2006
- U.S. Patent #5233520, Co-Inventor with Dr. M.J. Kretsch and Dr. A.K. Fong, "Method and system for measurement of intake of foods, nutrients and other food components in the diet." Patent Issue Date: August 3, 1993.
- Member, *Phi Beta Kappa*