



**Ed Moriarty**

**MIT Edgerton Center**

Ed Moriarty has been with the MIT Edgerton Center since 2000. He is the instructor for 6.070/SP.705, Intro to Electronics, and is involved in the high school levels of our K-12 Outreach program. Ed also works with Steve as staff liaison to the MIT Edgerton Center student groups.

**Steve Fernandez**

**MIT Edgerton Center**

Steve Fernandez teaches physics and engineering at the John D. O'Bryant school of Mathematics and Science. He holds a bachelor's degree in Physics, a Masters degree specializing in solar energy, and is currently on sabbatical pursuing a Doctoral degree in Energy Engineering. He has been active in efforts focusing on educational equity in Boston as well as with Latin American social justice struggles. Steve has participated in solar energy projects in Cuba, the Dominican Republic, and Haiti. Steve is associated with the MIT Edgerton Center.



**Dr. Robert Allen Malkin**

**Global Public Service Academies**

Dr. Robert Malkin is the director of Duke University- Engineering World Health and a Professor of the Practice of Biomedical Engineering at Duke University in Durham, North Carolina. Dr. Malkin is the Director of the Global Public Service Academies. Previously, Dr. Malkin was the Herbert Herff Professor of Biomedical Engineering at The Joint Biomedical Program at the University of Memphis in Memphis, Tennessee and The University of Tennessee. Before moving to Tennessee, Dr. Malkin was a professor of Electrical Engineering at The City College of New York and a member of the graduate faculty at The City University of New York and a research associate at Columbia University. Dr. Malkin received his MS and PhD in Electrical Engineering from Duke University in 1991 and 1993, respectively. Prior to attending graduate school, Dr. Malkin taught English in Thailand, worked at EM Microelectronics in Switzerland designing integrated circuits, worked for Cordis Corporation designing pacemakers and worked for Sarns Incorporated designing heart lung machines. Dr Malkin received the BS degree in Electrical Engineering from The University of Michigan in 1984. Dr. Malkin is a Fellow of the American Institute for Medical and Biological Engineering. Dr. Malkin serves as an expert advisor to the World Health Organization's Advisory Group on Healthcare Technology, Advisory Group on Innovative Technologies and serves on the World Health Organization's subcommittee on medical equipment donations.



**Dr. James Sweeney**

**Florida Gulf Coast University**

Dr. James Sweeney is Chair of the Department of Bioengineering in the U.A. Whitaker School of Engineering. Dr. Sweeney received the Sc. B. in Engineering (Biomedical Engineering) from Brown University in 1979 and the M. S. and Ph.D. in Biomedical Engineering from Case Western Reserve University in 1983 and 1988, respectively. Prior to joining FGCU in August of 2006, he was an Associate Professor and Director of the Flinn Interdisciplinary Graduate Training Program in the Harrington Department of Bioengineering at Arizona State University (ASU), where he now holds Emeritus Faculty status. Dr. Sweeney is a Fellow of the American Institute for Medical and Biological Engineering (AIMBE) and a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE).



**Dr. Lisa Zidek**

**Florida Gulf Coast University**

Dr. Lisa Zidek joined FGCU as Academic Program Director and Associate Professor of Bioengineering in January, 2007. Dr. Zidek received the BS in Industrial Engineering from Marquette University, the MS in Mechanical Engineering from Marquette University, the MS in Industrial Engineering from the University of Wisconsin - Madison, and the Ph.D. in Industrial Engineering with a specialization in Health Systems Management from the University of Wisconsin - Madison. Dr. Zidek is the lead instructor for the Engineering Service Learning, Engineering Entrepreneurship and Health Care Engineering courses at FGCU. She also coordinates the Introduction to the Engineering Profession course and is involved in many outreach programs in the local K-12 schools.



**Tina Ellis, MSN, RN, CTN**

**Florida Gulf Coast University**

Tina A. Ellis MS, RN, CTN joined FGCU as an instructor in the School of Nursing in 2001. Ms Ellis received the BS in Nursing from Chico State University, Chico, CA, the MS in Cross Cultural Nursing/International Health from the University of California, San Francisco, CA and achieved certification in Transcultural Nursing (CTN) through the international organization Transcultural Nursing Society. Ms Ellis is practice instructor for Foundations in Nursing and Public Health & Community Nursing. In addition, she has taught Transcultural Nursing, Spanish for Health Care Professionals, and International Nursing: Guatemala. Ms Ellis is a member of the Council for International Initiatives and Services at FGCU and promotes careers in nursing and health professions through outreach to area high schools affiliated with HOSA.



**Kristine R. Csavina, Ph.D.**

**Florida Gulf Coast University**

Dr. Kristine Csavina is an Assistant Professor of Bioengineering in the U. A. Whitaker School of Engineering. She joined FGCU in August of 2007 after serving as Director of the SHRI-CORE Orthopedic Research Labs in Sun City West, Arizona, from 2005-2007. Dr. Csavina received a B.E. in Mechanical Engineering from University of Dayton and the Ph.D. in Bioengineering from Arizona State University. From 1992-1997 she worked at NASA Lewis Research Center in test engineering after her undergraduate degree before returning to graduate school to pursue a research area in biomechanics and motor control. After her graduate degree, Dr. Csavina served as a Faculty Associate for the Harrington Department of Bioengineering at ASU and taught Biomechanics, Introduction to Bioengineering, and Introduction to Engineering Design.

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Note: Not all faculty participate in all trips. Check with your coordinator if you are interested in any particular faculty member.