

ARG Workshop
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BIOS



Miguel Vélez-Reyes received the B.S.E.E. degree from the University of Puerto Rico at Mayagüez (UPRM), in 1985, and the M.S. and Ph.D. degrees from the Massachusetts Institute of Technology, Cambridge, in 1988, and 1992, respectively. In 1992, he joined the faculty with UPRM, where he is currently a Professor at the Electrical and Computer Engineering Department. He has also held internship positions with AT&T Bell Laboratories, Air Force Research Laboratories, and the NASA Goddard Space Flight Center. His teaching and research interests are in the areas of sensing and signal processing for nonintrusive and minimally intrusive monitoring of dynamic systems, and in imaging spectroscopy for remote sensing. He has over 100 publications in journals and conference proceedings and contributed to 2 book chapters. He is director of the UPRM Laboratory for Applied Remote Sensing and Image Processing and Associate Director of the Center for Subsurface Sensing and Imaging Systems a NSF Engineering Research Center led by Northeastern University. In 1997, Dr. Vélez-Reyes was one of 60 recipients from across the United States and its territories of the Presidential Early Career Award for Scientists and Engineers from the White House. In 2005, Dr. Vélez-Reyes was inducted in the Academy of Arts and Sciences of Puerto Rico. He is a senior member of the IEEE where he has held many posts such as president of the IEEE Western Puerto Rico Section, and Latin America representative to the IEEE PELS AdCom. He is a member of the Tau Beta Pi, Sigma Xi, and Phi Kappa Phi honor societies.



Efraín O'Neill-Carrillo, PhD, PE

Professor, Electrical and Computer Engineering Department, Since 1999. Co-Director, Center for Resources in General Education, UPRM, since 2008. Director, Institute for Tropical Energy, Environment and Society, UPRM, since 2007. Coordinator for Social, Ethical and Global Issues, College of Engineering, UPRM, since 2006. UPRM Education Coordinator: NSF Center for Power Electronics Systems. Coordination at UPRM of educational projects, undergraduate research, short courses and seminars related to power electronics that have reached over 800 graduate, undergraduate and pre-college students in the last 8 years. ABET Evaluator, since 2006. PR-LSAMP Engineering Mentoring Coordinator, UPRM, 2006-2007. **RESEARCH INTERESTS.** Power Quality, Electric Power Distribution Systems, Energy Policy, Education, Social Implications of Technology. **BOOKS AND BOOK CHAPTERS.** (1) J. Colucci -Rios, E. O'Neill-Carrillo, A. Irizarry Rivera, "Renewable Energy in the Caribbean: A Case Study from Puerto Rico," Chapter in Environmental Management, Sustainable Development and Human Health, CRC Press, 2009. (2) A.A. Irizarry-Rivera, M. Rodríguez-Martínez, B. Vélez, M. Vélez-Reyes, A.R. Ramírez-Orquín, E. O'Neill-Carrillo, and J.R. Cedeño, "Intelligent Power Routers: Distributed Coordination for Electric Energy Processing Networks." Chapter in L. Mili and J. Momoh. Eds., Electric Power Networks Efficiency and Security, John Wiley (In Print). (3) E. O'Neill-Carrillo, Editor, Proceedings of the Caribbean Colloquium on Power Quality, June 2003. **SIXTY JOURNAL AND PEER-REVIEWED CONFERENCE PUBLICATIONS. PROFESSIONAL SERVICE.** Member of various CIAPR Ad-Hoc Committees to Evaluate Renewable Energy and power systems in Puerto Rico. Chair of the IEEE Western PR Joint Chapter of the Education Society/SSIT, 2006-Present. Organizer of the IEEE Western PR Joint Chapter of the Education Society/Society for Social Implications of Technology (SSIT), 2006. Chair of the IEEE Western PR Power Engineering Society Chapter, 2004-Present. Organizer of the IEEE Western PR Power Engineering Society Chapter, 2004. President of the Industry-Academe Committee of the PR Institute of Electrical Engineers, 2004-2007. **AWARDS** 2005 Walter Fee Outstanding Young Engineer Award, IEEE Power Engineering Society. Senior Member, IEEE, May 2005. 2004-2005 Outstanding Professor of Electrical and Computer Engineering. Early Promotion to Full Professor for Exceptional Merit, UPRM, 2004. 2003 Electrical Engineer of the Year, PR Society of Professional Engineers and Land Surveyors. 2001-2002 Outstanding Professor of Electrical and Computer Engineering



Ann Gates

Ann Quiroz Gates is the Associate Vice President of Research and Sponsored Projects at the University of Texas at El Paso and past chair of the Computer Science Department. Her research areas are software property elicitation and specification, and workflow-driven ontologies. Gates directs the NSF-funded Cyber-ShARE Center that focuses on developing and sharing resources through cyber-infrastructure to advance research and education in science. She is a member of the NSF Advisory Committee for Cyberinfrastructure, and she serves on the Board of Governors of IEEE-Computer Society. Gates leads the Computing Alliance for Hispanic-Serving Institutions (CAHSI), an NSF-funded consortium

that is focused on the recruitment, retention, and advancement of Hispanics in computing.