

Mario Rivera Borrero, Ph. D.

Professor

Ph.D. Virginia Tech

Office: S-506

Mayagüez, PR 00680

(787) 832-4040, Ext.

E-Mail: marivera@uprm.edu

Professional Experience

- Professor, 2007 - Present
- Associate Director, Engineering Science and Materials, August 2004 – December 2005
- Associate Professor, Engineering Science and Materials, 2003 - present
- Assistant Professor, General Engineering, 1997 - 2003
- Instructor, General Engineering, 1990 - 1997
- Instructor, General Engineering, 1981 - 1984

Professional Preparation

- BS Civil Engineering, UPRM, 1978
- ME Civil Engineering, UPRM, 1983
- PhD Engineering Mechanics, Virginia Tech, 1997

Selected Publications and Presentations

- Satisfaction – A Starting Point to Identify Needs and Areas for Improvement; S. Dika, N. Artiles-León, and M. Rivera-Borrero; 9th International Conference on Engineering Education, San Juan, Puerto Rico, July 23 – 28, 2006
- Beyond Accreditation: Using Institutional Data to Identify Areas for College-Level Improvement, S. Dika, N. Artiles-León, and M. Rivera-Borrero; 6th International Conference on Information Technology Based Higher Education and Training, Santo Domingo, Dominican Republic, July 7-9, 2005
- Dynamic Condensation Approach for Nonclassically Damped Structures, AIAA journal, Vol. 37, No. 5, 1999, pp. 564-571

Synergistic Activities

- UPRM-MSCHE Institutional Steering Team 2004 - 2005
- UPRM-MSCHE Task Force 11 (Standard 14- Assessment of Student Learning) - Coordinator
- UPRM-MSCHE Task Force 5 (Standard 7 -Institutional Assessment) - Member
- UPRM-MSCHE Task Force 2 (Standard 3 -Institutional Resources) - Member
- OMCA Academic Steering Team (Continuous Improvement and Assessment) 2005 - present
- ABET Faculty Committee – Coordinator 2003 - present

- ABET General Engineering Committee – Coordinator 2001 - 2006
- System for the Evaluation of Education Office (SEED) - Coordinator 2003 - present
- Applied Mechanics and Mechanics of Materials Committee - Member
- Student Graduate Committee

Awards and Honors

- Who's Who Among America's Teachers 1998
- General Engineering Distinguish Professor 1996-1997