

Curriculum Vitae

ISMAEL PAGÁN-TRINIDAD (PI)

Professor and Chairperson of Civil Engineering, University of Puerto Rico at Mayagüez

(with Dr. Ricardo López-Professor (Co-PI and Director))

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A. Professional preparation

- B.S. Civil Engineering, University of Puerto Rico, 1975
- M.S. Civil Engineering, University of Puerto Rico 1977
Project: "Point and Non-Point Sources of Pollution in the San Juan Metropolitan Area", Advisor: Rafael Ríos Dávila
- Ph.D. (ABD) Hydrosystems Engineering, University of Illinois at Urbana-Champaign, 1978-date. Dissertation: "Spatial and Temporal Rainfall Variabilities", Advisor: Late Ben C. Yen

B. Appointments

Director, Civil Engineering and Surveying Department. (Jan 1994 - Present)

Member and FAR, NCAA D-II Management Council (National)

Professor (July 2001), **Associate Professor** (July 1992 to June 2001), **Assistant**

Professor, (July 1987 to July 1992), **Instructor** (January 1982- June 1987), UPRM

Executive Director, University Intramural Professional Practice Program, 2011-Present

Academic Senator, University of Puerto Rico at Mayagüez, 1990-1997

Member, Administrative Board, University of Puerto Rico at Mayagüez, 1996

Member, Board of Trustees, University of Puerto Rico, 1994

Member, University Board, 1993

C. Relevant Publications

- Nadal, Norberto C., Zapata, R., Pagán-Trinidad, I., López, R., Agudelo, J., "Building Damage due to Riverine and Coastal Floods", ASCE Journal of Water Resources Planning and Management, 2009.
- Didier Valdés-Díaz, Ismael Pagán-Trinidad, Ricardo R. López-Rodríguez, and Rafael Victoria-Bournigal, Tropical Storm Impact on Infrastructure: The Case of Tropical Storm in Dominican Republic, Seventh LACCEI Latin American and Caribbean Conference for Engineering and Technology (LACCEI'2009), "Energy and Technology for the Americas: Education, Innovation, Technology and Practice", June 2 – June 5 2009, San Cristóbal, Venezuela.
- Ruiz, C.; Nestler, J.; Pagán-Trinidad, I.; Rodríguez, D.; The Tropical Environmental Observatory Network (TEON): Collaborative Science and Technology Resource for Inter-hemispheric Sustainable Development; Fifth LACCEI International Latin American and Caribbean Conference for Engineering and Technology (LACCEI'2007), México, 2007.

- Caraballo, N., Zapata, R., Pagán-Trinidad, I., Building Damage Estimation due to Riverine Floods, Storm Surges, and Tsunamis: A Proposed Methodology, Fourth LACCEI International (LACCEI 2006), Mayagüez, Puerto Rico, 2006.
- López R. R., Godoy L. A., Acosta F. J., Guevara J. O., Lluch J. F., Martínez-Cruzado J. A., Pagán-Trinidad I., Pando M., Saffar A., Wendichansky D., “Estimating Damage Caused by Natural Hazards for the Insurance Industry in Puerto Rico”, *Dimension*, 19(3), 2005, pp. 17-26.

Other Related Publications

- López, Ricardo R., 12 others, “Determination of the Vulnerability of Structures Subjected to Natural Disasters”, Final Technical Report, written for Insurance Commissioner of Puerto Rico, 29 November 2007.
- Guevara, J., Pagán-Trinidad, I., Maldonado, F., Valdés, D., Pesantes, E., “Incorporation of a Sustainable Design in the Integrated Engineering Project Design Model”: The Capstone Course at UPRM, Third LACCEI International Conference for Engineering and Technology, Cartagena, Colombia, 2005.
- López R. R., Godoy L. A., Acosta F. J., Guevara J. O., Lluch J. F., Martínez-Cruzado J. A., Pagán-Trinidad I., Pando M., Saffar A., Wendichansky D., “Estimating Natural Hazard Damage for the Insurance Industry in Puerto Rico”, Third LACCEI Int. Conference, Cartagena de Indias, Colombia, 8-10 June 2005
- Ismael Pagán Trinidad, Raúl Zapata López, Marcelo García, Arthur R. Schmidt, Víctor González Nieves, Norberto Caraballo Nadal, “Drainage Guidelines: An Electronic Library”, Second LACCEI International Conference for Engineering and Technology (LACCEI 2004), Miami, Florida, USA, 2004.
- RA Román-Seda, MI Ortiz-Soto, J Cardona & I Pagán-Trinidad (2001), “Caracterización de un filtro lento de arena con un prefiltro de flujo horizontal de grava”, “*Revista Internacional de Desastres Naturales, Accidentes e Infraestructura Civil*” (Translation: *International Journal on Natural Disasters, Accidents, and Civil Infrastructure*), vol. 1(1), pp. 87-97.

D. Synergistic activities

- Program Manager and Principal Investigator: ERDC-UPRM Educational and Research Partnership (ERPA), a 20 years of continuing students (undergraduate and graduate), faculty internships, and institutional collaboration between ERDC and UPRM, WEB PAGE (<http://ingenieria.uprm.edu/inci/erip/>), 2014.
- Member, Board of Directors, Puerto Rico Construction Cluster, 2003-present.
- Editorial Committee, “*Revista Internacional de Desastres Naturales, Accidentes e Infraestructura Civil*”, 2001-present.
- Member of the Board of Directors and Administrative Board(at large), Latin-American and Caribbean Consortium of Engineering Institution, 2004-present
- Member, Board of Directors, Material Characterization Center, UPR, 1997-present.