

Curriculum Vitae Dr. Elio Ramos

Professional Preparation

University of Puerto Rico at Humacao	Applied Physics	BS, 1989
George Mason University	Applied Physics	MS, 1996
George Mason University	Computational Sciences and Informatics	PhD, 1997

Appointments

2001- Present, Associate Professor, Department of Mathematics,
University of Puerto Rico at Humacao.

1997- 2001, Assistant Professor, Department of Mathematics,
University of Puerto Rico at Humacao.

Summer 1998, Visiting Researcher,
Department of Physics and Foundation for Research and
Technology (Hellas), University of Crete, Heraklion.

1992-1999, Graduate Research Assistant,
Institute for Computational Sciences and Informatics,
George Mason University, Fairfax, VA.

1991-1992, Instructor, Department of Physics and Electronics,
University of Puerto Rico at Humacao.

Publications

"The Recent High State of the BL Lac Object AO 0235 and the Cross-Correlation between Optical and Radio Bands", *Astrophysical Journal*, 545, 2, (2000).

"Tumor Growth and its effect on Magnetic Resonance Imaging Signal", APS March 2000 Meeting, E.Ramos, F. Zypman, March (2000).

"Compartmentalization and Frequency Effects in Magnetic Resonance Imaging", *Biomedical Imaging Symposium*, E. Ramos, F. Zypman, June (1999).

"Contemporaneous IUE, EUVE, and High-Energy Observations of 3C 273", E. Ramos et al., *Astrophysical Journal*, 482, 167, (1997).

"Multiwavelength Observations of 3C 273 in 1993-1995", von Montigny, C. et al. *Astrophysical Journal*, 483, 161, (1997).

"Multiwavelength Observations of Markarian 421 During a TeV/X-ray Flare", Macomb et al., Astrophysical Journal, 449, L99, (1995).

Synergistic Activities

Curriculum development for a course on Computational Methods Applied to Biological Systems.

Supervision of 15+ undergraduates in computational research projects in astrophysics, hydrology, and biomedical sciences

Collaborators and Other Affiliations

(i) Roy Armstrong
Rafael Arce
Ernesto Esteban
Denny Fernández
Carmelo García
Sixto González
Braulio Jiménez
Jorge J. Santiago
José Sotero
Fredy Zypman

(ii) Menas Kafatos, Center for Earth Observing and Space Research, George Mason University, Fairfax, VA.