

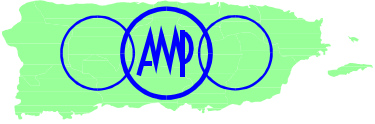
**PUERTO RICO LOUIS STOKES ALLIANCE FOR
MINORITY PARTICIPATION**

A Consortium of the University of Puerto Rico System, the Inter American University of Puerto Rico, the Pontifical Catholic University of Puerto Rico, the Politecnico University of Puerto Rico and the Resource Center for Science and Engineering of the University of Puerto Rico

**FOURTH TRANSDISCIPLINARY RESEARCH CONFERENCE
THEME: COMPUTATIONAL MODELING
December 5-6, 2008**

Friday Agenda at Mayaguez Resort and Casino

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|-------------------------|---|
| 7:30 a.m. - 8:30 a.m. | Registration and Continental Breakfast |
| 8:30 a.m. – 8:45 a.m. | Introduction and Welcoming Remarks
Dr. Ivelisse Rubio, UPR Rio Piedras
Dr. Manuel Gómez
Director, Resource Center for Science and Engineering |
| 8:45 a.m – 10:00 a.m. | "The Method of Regularized Stokeslets with Applications to Biological Fluid Flows"
Dr. Ricardo Cortez, Department of Mathematics
Tulane University |
| 10:00 a.m. – 10:15 a.m. | Break |
| 10:15 a.m. – 11:30 a.m | "Improving Predictions Using Estimation Techniques"
Dr. Juan Restrepo, Department of Mathematics and Department of Physics, University of Arizona |
| 11:30 p.m. – 1:00 p.m. | Lunch |
| 1:00 p.m. – 2:15 p.m. | "The Numerical Computation of the Critical Boundary Displacement for Radial Cavitation"
Dr. Pablo Negrón, Department of Mathematics
UPR-Humacao |
| 2:15 p.m.- 3:15 p.m. | Round Table Discussion
Dr. Ricardo Cortez, Dr. Pablo Negrón, Dr. Juan Restrepo |
| 3:15 p.m.- 3:30 p.m. | Closing Remarks
Dr. Ivelisse Rubio |



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**Saturday Agenda
Business Administration Building
University of Puerto Rico, Mayaguez**

8:45 a.m. – 9:15 a.m.

Breakfast, Lobby

9:15 a.m. – 12:30 a.m.

Workshop 1, Room AE 102

“Computational Methods for Biological Flows Based on Green’s Functions”

Dr. Ricardo Cortez, Department of Mathematics
Tulane University

Workshop 2, Room AE 103

“Improving Predictions Using Estimation Techniques”

Dr. Juan Restrepo, Department of Mathematics and Department
of Physics, University of Arizona

Workshop 3, Room AE 104

“Computational Methods for Computing Cavitated Solutions in Nonlinear Elasticity”

Dr. Pablo Negrón, Department of Mathematics
UPR-Humacao

12:30 p.m. – 2:00 p.m.

Lunch