

Date: Saturday, August 26, 2006

Time: 9:00am – 12:00pm

Hewlett-Packard
Highway 110 N KM 5.2
Building C
Aguadilla, PR

SEMINAR:

AUTONOMIC GRID COMPUTING AND COMPUTATIONAL SCIENCE



IEEE Computer Society - Western Puerto Rico Section
CIAPR - Capítulo de Aguadilla
Hewlett-Packard

Invites you to the following seminar:

**Autonomic Grid Computing and
Computational Science**

(including Computational Support for Dynamic
Parallel/Distributed Applications)

Offered by: **Dr. Manish Parashar**
Rutgers, The State University of New Jersey
Department of Electrical and Computer Engineering
Distinguished IEEE Lecturer

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Cost: \$25.00 CIAPR, IEEE, or HP employee / \$30.00 Non-members

3 contact hours (0.3 CEUs)



Autonomic Grid Computing and Computational Science

Abstract: The emergence of distributed computational environments such as the Grid with a potential for seamless aggregation, integration and interactions has made it possible to conceive a new generation of realistic, scientific and engineering simulations of complex physical phenomena. However, the inherent space-time heterogeneity and dynamism of these applications coupled with the similarly heterogeneous and dynamic Grid environment present significant challenges in composition, runtime management, optimization, and adaptation. This has led researchers to consider alternative programming paradigms and management techniques that are based on strategies used by biological systems to deal with similar challenges, i.e. autonomic computing. In this talk I will introduce autonomic computing and describe the AutoMate project for enabling autonomic computational science on the Grid.

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