Pacific Northwest National Laboratory

Frontiers in Computational and Information Sciences Seminar Series present

A General Computable Methodology for Validation

Speaker: Professor Roger Ghanem

Viterbi School of Engineering

University of Southern California

- Date: Monday, August 16, 2010
- Time: 11 am – noon
- Location: ETB Columbia River Room (1103)
- Contact: Angela Hatton, 509-372-6455 or angela.hatton@pnl.gov

Professor Ghanem will discuss uncertainty quantification, verification, and validation and the drive to implement computational resources to reproduce or predict physical reality. The talk will describe research efforts and challenges to understanding the scope of model-based predictions and the necessity of packaging of information so that it can be analyzed and so that reliability estimates can be computed. He will also describe applications in porous media, material modeling, and complex networks.

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