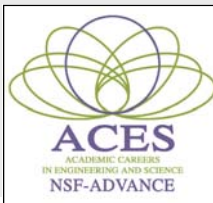




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NSF-ADVANCE Distinguished Lectures

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Hierarchical Modeling of Nano-scale Thermal Transport: Applications to Microelectronics

Wednesday, October 20, 2004, 2:00 PM

White Building, Room 411

Thermo-Fluids Considerations in the Development of a Silicon- based Micro-scale Direct Methanol Fuel Cell

Thursday, October 21, 2004, 2:30 PM

Zahn Lecture Hall, Glennan Building, Room 421

Reception following immediately after the seminar

MEMS-based Thermal Management of High Heat Flux Electronics

Friday, October 22, 2004, 2:00 PM

Zahn Lecture Hall, Glennan Building, Room 421

Dr. Cristina Amon

Professional Experience:

Carnegie Mellon University
Raymond J. Lane Distinguished Professor of Mechanical Engineering and
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Director, Institute for Complex Engineered Systems (ICES) – 1999-present

Research Areas:

Computational Fluid Dynamics & Heat Transfer, Micro – and Nano-scale
Thermal Transport, Stability/Transition to Turbulence, Heat and Mass
Transfer Enhancement, Phase Change Heat Transfer, Concurrent Thermal
Design, High-Performance Electronics Cooling Technologies and Packaging
of Portable Electronics, Transport in Methanol Fuel Cells, Hemodynamics and
Mass Transfer in Aortic Aneurysms and Intravenous Blood Oxygenators.

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