



Prof. P.C. Searson



Prof. J.W. Morris

UTA College of Engineering 50th Anniversary-Materials Science and Engineering
Emerging Frontiers in Materials Science and Engineering
Nano-Biomaterials and Materials for Nano and Micro Electronics

Symposium on Nano-Biomaterials

Plenary Talk: “The Dynamics of Cell Detachment” Prof. Peter Searson, Director, Institute for Nano-Biotechnology, The Johns Hopkins University.

Coffee Break

Invited Talk: “Hierarchical Structural and Material Properties in Bone: Implications for Understanding Mechanical Function, Prof. Paul Dechow, Vice-Chair, Department of Biomedical Science, Baylor College of Dentistry.

Invited Talk: “Nanocomposite Materials for Multifunctional Cancer Nanomedicine” Prof. Jinming Gao, Dept of Pharmacology, UT Southwestern Medical Center.

Invited Talk: “Cell Proliferation and Drug Release of PLLA-layer Double Hydroxide Nanocomposites” Prof. Nandika D’Souza, Department of Materials Science and Engg., University of North Texas.

Lunch Break (Invited Speakers)

Symposium on Materials for Nano and Micro Electronics

Plenary Talk: “The Limits of Mechanical Strength” Prof. James W. Morris, Department of Materials Science and Engineering, University of California, Berkeley.

Coffee Break

Invited Talk: “Transforming Semiconductor Nanostructures into Active Therapeutic Platforms” Prof. Jeff Coffer, Chemistry Department, Texas Christian University.

Invited Talk: “Nanostructured Materials for Macroelectronics” Prof. Bruce Gnade, VP for Research, University of Texas at Dallas.

Invited Talk: “Photonic Resonance Effects in Nanopatterned Films and Their Applications” Prof. Robert Magnusson, TI Distinguished University Chair, EE Department, University of Texas at Arlington

Closing Reception (All)

8:30 am to 5:30 pm, December 11th, 2009

Rm 100, Nedderman Hall, 416 South Yates, Street, University of Texas at Arlington, Arlington, TX 76019

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