Department of Materials Science and Engineering

FALL 2013 SEMINAR SERIES

Wednesdays, 3:00 pm Maryland Hall 110

09/11 Shelly Sakiyama-Elbert
Department of Biomedical Engineering, Washington University
Biomaterials for cell transplantation and drug delivery for the treatment of nerve injury

09/18 William Carter
Architected Materials Department HRL Laboratories LLC
Scalable lightweight microlattice materials

09/25 Chung-Yuen Hui
Sibley School of Mechanical and Aerospace Engineering, Cornell University
Surface tension (stress) and its relevance to mechanics of soft materials

10/02 Gerald Fuller
Department of Chemical Engineering, Stanford University
Interfacial rheology of biological interfaces

10/09 James Rondinelli
Department of Materials Science and Engineering, Drexel University
Disruptive design strategies for emergent ferroelectricity

10/16 Karen Wooley
Department of Chemistry, Texas A&M University
Strategies for the transformation of well-defined polymers derived from natural products into functional materials

10/23 Alejandra Magana
Computer and Information Technology, Purdue University
Towards an educational framework for the integration of discipline-based computing into undergraduate engineering education

10/30 Rebekka Klausen
Department of Chemistry, Johns Hopkins University
Molecular control of carbon and silicon materials

11/06 Paul Weiss
California NanoSystems Institute, University of California Los Angeles
Cooperative function in atomically precise nanoscale assemblies

11/13 Jörg Braeuer
Fraunhofer Institute for Electronic Nano Systems
Recent status on room-temperature wafer-level-packaging based on nanoscale energetic systems

11/20 Joe Tien
Department of Biomedical Engineering, Boston University
Microfluidic approaches to vascularization

For questions or more information, please contact Jeanine Majewski (6-8760, jeaninem@jhu.edu)