

## Mechanical & Aerospace Engineering Colloquium Series

Fall 2012 Program

Wednesdays, 3:30pm, Engineering Building B120

*Refreshments*, 3:15pm

*Social Hour*, 4:30pm

- September 12      **REHS Right-to-Know and Safety Lecture**
- September 19      *Information-Embedded Power/Energy Systems: Recent Research Results*  
Professor Chika Nwankpa, Drexel University
- September 26      **The 3<sup>rd</sup> Annual Abdel Zebib Memorial Lecture**  
*Passive Suppression of Vortex-Induced Vibration (and Karman Vortex Shedding)  
using Nonlinear Energy Sinks*  
Professor Arne Pearlstein, University of Illinois, Urbana-Champaign
- October 10          *Vertical Lift Technology Development*  
Dr. Catherine Ferrie, Chief, Advanced Sci. and Mat., Bell Helicopter
- October 17          *SunShot Initiative for Concentrating Solar Power*  
Professor Ranga Pitchumani, Program Director, Department of Energy
- October 31          *Novel Robots for Functional Training of Neural Impaired Adults and Children*  
Professor Sunil Agrawal, University of Delaware
- November 7          *Thermodynamics and Mechanics of Photochemically Reacting Polymers*  
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*The Mechanics of Materials and Design of Engineering Materials Systems Programs  
at NSF*  
Professor Martin Dunn, Program Director, National Science Foundation
- November 28          *Thermochemical Conversion of Biomass to Liquid Biofuels*  
Professor Arvind Atreya, University of Michigan
- December 5          *Fluid Mechanics of Suspensions: What Do Pressure and Inertia Mean?*  
Professor Jeff Morris, Levich Institute, City College of New York