January

16  * Professor Pramod Khargonekar  
    Dean, College of Engineering, University of Florida  
    "My Experiences in Systems and Control Research - A Forward Looking Retrospective"

28  Dr. Leslie Kramer  
    Director-Chief Technologist, Lockheed Martin Missiles and Fire Control  
    "Flight Vehicle Structures Using Single Wall Carbon Nanotubes"

February

4  Professor Jacob Jones  
    Department of Materials Science and Engineering, University of Florida  
    "Structure-Property Relationships in Ferroelectric Materials"

11  Professor Mark Sussman  
    Department of Mathematics, Florida State University  
    "Improved Block Structured Adaptive Mesh Refinement Algorithms for Fluid Structure Interaction and Multiphase Flows"

18  Professor Scott Perry  
    Department of Materials Science & Engineering, University of Florida  
    "Thermally Activated Friction"

25  Professor Matthias Batzill  
    Department of Physics, University of South Florida  
    "Surface Properties of Functionalized Transition Metal Oxide Photocatalysts"

March

3  Professor Bin Gao  
    Department of Agricultural & Biological Engineering, University of Florida  
    "Colloidal Transport in Unsaturated Porous Media: Visualization, Experimentation and Modeling"

18  Mr. Bruce Macklin  
    Vice President, Global Operations, ExxonMobil Chemical Company  
    "Energy in the 21st Century: Issues and Priorities"

Unless otherwise noted, all seminars are held at 4:00pm in Room 202 NEB  
Refreshments will be served at 3:30 PM in the hallway outside the CHE Main Office

* Seminar at 12:40pm  in Room 120, Pugh Hall
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<td>Professor Michael Harold</td>
<td>Department of Chemical &amp; Biomolecular Engineering, University of Houston</td>
<td>&quot;Spatio-Temporal Behavior of the Lean NO_x Trap for Lean Burn Vehicle Emission Aftertreatment&quot;</td>
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<td>Department of Chemical &amp; Biomedical Engineering, Florida State University</td>
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<td>April</td>
<td>Professor David Schaffer</td>
<td>Department of Chemical Engineering, University of California, Berkeley</td>
<td>&quot;Molecular Engineering of Novel Gene and Stem Cell Therapies&quot;</td>
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<td>Department of Chemical Engineering, University of Washington</td>
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<td>&quot;Nanostructural Design of Photocatalysts and Photoelectrochemical Cells&quot;</td>
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