

Chemical Engineering Seminars

Fall 2009

September 3

Thursday
102 Chemistry
10:00 – 11:00 a.m.

Chao-Yang Wang

Distinguished Professor of Mechanical Engineering
Department of Mechanical Engineering and Nuclear Engineering
The Pennsylvania State University
“Water Management in Polymer Electrolyte Fuel Cells”
<http://www.mne.psu.edu/Directories/Faculty/Wang-C.html>

September 10

Thursday
102 Chemistry
10:00 – 11:00 a.m.

Raymond Adomaitis

Professor
Department of Chemical and Biomolecular Engineering
University of Maryland
“Thin Film Processing Challenges in Solar Energy
and Nanomanufacturing Applications”
<http://www.umerc.umd.edu/facstaff/profiles/adomaitis.html>

September 17

Thursday
102 Chemistry
10:00 – 11:00 a.m.

Tony Jun Huang

James Henderson Endowed Assistant Professor
Department of Engineering Science and Mechanics
The Pennsylvania State University
“Fluidics: Interfacing Biology, Materials, and Photonics in the
Micro/Nano Scale”
<http://www.esm.psu.edu/huang/>

September 24

Thursday
102 Chemistry
10:00 – 11:00 a.m.

Michael Strano

Charles and Hilda Roddey Associate Professor of Chemical
Engineering
Department of Chemical Engineering
Massachusetts Institute of Technology
“The wonders of one dimensional chemistry: carbon nanotubes for single
molecule biodetection and energy applications”
<http://web.mit.edu/cheme/people/profile.html?id=31>

October 1

Thursday
102 Chemistry
10:00 – 11:00 a.m.

Anthony Mchugh

P. C. Rossin Senior Professor and
Chair of the Department of Chemical Engineering
Lehigh University
“The Role of Phase Inversion in the Formation and Release
Characteristics of Polymer-Based Drug Delivery Systems”
http://www.che.lehigh.edu/blog/2007/01/anthony_j_mchugh.html

October 8
Thursday
102 Chemistry
10:00 – 11:00 a.m.

Graeme Henkelman
Assistant Professor
Department of Chemistry and Biochemistry
University of Texas at Austin
“Adaptive kinetic Monte Carlo for simulating dynamics
in atomic systems”
http://www.cm.utexas.edu/graeme_henkelman

October 22
Thursday
102 Chemistry
10:00 – 11:00 a.m.

John Vohs
Carl V. S. Patterson Professor of Chemical and Biomolecular Engineering
Chemical and Biomolecular Engineering
University of Pennsylvania
“Development of High Performance Anodes and Cathodes for Solid
Oxide Fuel Cells”
<http://www.seas.upenn.edu/cbe/vohs.html>

October 29
Thursday
102 Chemistry
10:00 – 11:00 a.m.

Corey O’Hern
Associate Professor of Mechanical Engineering & Physics
Department of Mechanical Engineering
Yale University
“A Cornucopia of Particle Packings: From Hard Spheres to Ellipses and
from Polymer Packings to Folded Proteins”
<http://www.seas.yale.edu/faculty-detail.php?id=80>

November 5
Thursday
102 Chemistry
10:00 – 11:00 a.m.

Mark Prausnitz
Professor
School of Chemical and Biomolecular Engineering
Georgia Institute of Technology
“Vaccination Using Microneedles”
http://www.chbe.gatech.edu/fac_staff/faculty/prausnitz.php

November 19
Thursday
102 Chemistry
10:00 – 11:00 a.m.

Ali Demirci
Department of Agricultural and Biological Engineering
The Pennsylvania State University
“Microbiological Engineering”
<http://www.abe.psu.edu/facstaff/demirci.htm>

December 3
Thursday
102 Chemistry
10:00 – 11:00 a.m.

Yi Tang
Associate Professor
Chemical and Biomolecular Engineering
University of California, Los Angeles
“Production of A Blockbuster Drug Using Biocatalysis”
Group web site: <http://www.seas.ucla.edu/~yitang/index.htm>
Department web site: <http://www.chemeng.ucla.edu/index.html>