



## VISUALIZATION OF CHEMISTRY

### Friday, Nov. 2, 2007

<b>3:00-5:30 PM</b> Musser Hall 103	Registration
<b>3:30-5:30 PM</b> Musser Hall 232	Workshop: Easy 3D Protein Structure Visualization and Structural Bioinformatics (Dr. Eric Martz)
<b>5:30-6:30 PM</b> Myer Hall Susquehanna Room	Registration
<b>6:00-7:15 PM</b> Myer Hall Susquehanna Room	Banquet Dinner
<b>7:15-7:30 PM</b> Myer Hall Susquehanna Room	Welcome, Opening Meeting, and Remarks Dr. Susan Traverso, Provost & Senior VP Dr. Gary Hoffman, Chair, Department of Chemistry & Biochemistry Elizabethtown College
<b>7:30-8:30 PM</b> Myer Hall Susquehanna Room	Plenary Lecture: "The Top Five 3D Protein Structure Visualization Technologies for the Rest of Us" Dr. Eric Martz, Professor Emeritus, University of Massachusetts, Amherst
<b>8:30-10:30 PM</b> Alumni House	Wine & Cheese, Informal Discussions

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### Saturday, Nov. 3, 2007

<b>8:00 AM -1:00 PM</b> Hoover Center Lobby	Publishers' Exposition
<b>8:00-9:00 AM</b> Hoover Center Lobby	Continental Breakfast & Registration
<b>9:00-9:45 AM</b> Hoover 212	Plenary Lecture: "What's so hard about visualizing chemistry?" Dr. John Ranck, Founder of MolecVUE and Professor Emeritus, Elizabethtown College Department of Chemistry and Biochemistry

9:45-10:45 AM

**SESSION 1: Inside the Classroom and Laboratory**

**1A: Molecular Modeling**

**1B: Approaches**

“Computing Chemical Answers: Effects of Solvation”  Dr. Carl Salter, Moravian College Dr. Gary Hoffman, Elizabethtown College Dr. Kevin Range, Lock Haven University of PA  Hoover 110	“SEM, XRD and Other Visualization Techniques in the Undergraduate Laboratory”  Dr. Steve Gravelle, Saint Vincent College  Hoover 212
	“Process Oriented Guided Inquiry Learning”  Dr. Frank Creegan, Washington College  Hoover 212

10:45-11:45 AM

**State of the Discipline Round Table Discussions**

Introductory Chemistry (Majors and Non-majors) Hoover 211	Dr. Al Hazari (University of Tennessee-Knoxville)
Organic Chemistry Hoover 215	Dr. Mike Haaf (Ithaca College)
Analytical Chemistry Hoover 114	Dr. Kristi Kneas (Elizabethtown College)
Biochemistry Hoover 214	Dr. Robin McCann (Shippensburg University)
Inorganic Chemistry Hoover 112	Dr. Curtis Zaleski (Shippensburg University)
Physical Chemistry Hoover 213	Dr. Gary Hoffman (Elizabethtown College)

11:45-1:00 PM

**Lunch**

Available in Hoover Lobby  
Seating in Hoover 110, 112, 114, 211, 213, 214, and 215

1:00-2:30 PM

**SESSION 2: Outside the Classroom and Laboratory**

**2A: Community Outreach**

**2B: Experiential Learning**

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<p>"Engaging the General Public through Family-friendly Outreach"</p> <p>Ms. Lori Lauver, Director of Education, Whitaker Center for Science and Arts (Harrisburg, PA)</p> <p>Hoover 212</p>	<p>"Greening up Auto Part Manufacturing: A Collaboration with Industry"</p> <p>Dr. Kristi Kneas, Elizabethtown College</p> <p>Hoover 110</p>
<p>"Why Should I Care About Chemistry? Displaying Chemistry and its Histories at the Chemical Heritage Foundation"</p> <p>Dr. Erin McLeary, Director of Exhibitions, Chemical Heritage Foundation (Philadelphia, PA)</p> <p>Hoover 212</p>	<p>"1500 miles, 94 Landowners, 8 High School Students, 2 Undergraduates, and 2 PIs: A Big Project at a Small School."</p> <p>Dr. Deb Wohl, Elizabethtown College Dr. David Bowne, Franklin &amp; Marshall College</p> <p>Hoover 110</p>
<p>"Science in Miniature: Chemistry on Stamps"</p> <p>Dr. Daniel Rabinovich, University of North Carolina-Charlotte</p> <p>Hoover 212</p>	<p>"A Quantum Leap into Dutch Culture: Physical Chemistry at Radboud University—Nijmegen, the Netherlands"</p> <p>Dr. Robbie Iulucci, Washington and Jefferson College</p> <p>Hoover 110</p>

2:30-3:00 PM

Closing Business Meeting  
Dr. Gary Hoffman, moderator  
Hoover 212

3:00-4:00 PM

Plenary Presentation: "Show me the Chemistry! Chemistry Magic for All Ages" (Bring your family and friends!)  
Dr. Al Hazari, University of Tennessee Knoxville  
Esbenshade Hall, Gibble Auditorium