SOUTHWEST CATALYSIS SOCIETY (SWCS)
2010 SPRING SYMPOSIUM

March 12, 2010
Rice University
Houston, TX

Thank you to our Sponsors!
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Program

8:00 AM  Registration – John Novak, Director
Duncan Hall – Martel Hall

8:30 AM  Welcoming Remarks – Michael Wong, Chair
Duncan Hall – McMurtry Auditorium

8:35 AM  Prof. Kerry Dooley (LSU, Baton Rouge, LA)
"Perspectives on Catalytic Oxidative Desulfurization"

9:05 AM  Prof. Ilke Arslan (UC Davis, Davis, CA)
"Advanced Characterization of Catalysts Using Novel Techniques in the Electron Microscope"

9:35 AM  Coffee Break / Poster Setup
Duncan Hall – Martel Hall

10:00 AM  A. Rider Barnum, Prof. George Stanley (LSU, Baton Rouge, LA)
"The Dramatic and Unexpected Effect of Water on a Bimetallic Hydroformylation Catalyst: Aldehyde-Water Shift Catalysis and Hydrocarboxylation"

10:30 AM  Dr. David Graf (The Dow Chemical Company, Freeport, TX)
"A Dow Perspective on Alternative Feedstocks & Separations Needs for the Chemical Industry"

11:00 AM  Lunch Break (on your own) / Poster Preview
Rice Student Center
Building Numbers

20: Duncan Hall (meeting site)
57: Rice Memorial Center (student center)
44: Central Campus Garage
Program

~12:10 PM  Re-assemble in Duncan Hall – McMurtry Auditorium

12:15 PM  Prof. Friederike C. Jentoft (University of Oklahoma, Norman, OK)
"Stabilization of Catalytic Alkane Isomerization"

12:45 PM  David J. DiCamillo (Criterion Catalysts, Houston, TX)
"Beyond ULSD: Technology Enhancements to Improve Distillate Product Quality"

1:15 PM  Prof. Keith Stevenson (UT Austin, Austin, TX)
"'Templated' Nanocatalysts for Electrochemical Energy Conversion: The Challenges for Synthesis and Characterization"

1:45 PM  Poster Session / Coffee Break
Duncan Hall – Martel Hall

3:30 PM  Poster Awards and SWCS Business
Duncan Hall – McMurtry Auditorium

4:00 PM  Adjourn
Upcoming Events

**Celebration Symposium in Honor of Jack Lunsford**
October 15, 2010 College Station, TX
**Sponsors: TAMU Department of Chemistry and Southwest Catalysis Society**

This one-day symposium will celebrate Dr. Lunsford's service to the Chemistry Department and his achievements in catalysis.

Meeting organizer: Prof. D. Wayne Goodman (TAMU)

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**Southwest Catalysis Society 2011 Spring Meeting**
April 2011

For your planning purposes, the next meeting will likely be held in April next year.

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**22nd North American Meeting – North American Catalysis Society**
June 5-11, 2011 Detroit, MI
http://www.22nam.org/
Agenda

• Poster award announcements

• Call for nominations for officer positions
Congratulations!

Preparation and Characterization of Co-Rh Bimetallic Model catalysts: from Thin Films to Dispersed Clusters  
**Zhoujun Wang**, Fan Yang, Stephanus Axnanda, D. Wayne Goodman  
Department of Chemistry, Texas A&M University, College Station, TX 77843

Bromide Poisoning Study for CO Oxidation over Titania Supported Gold Nanoparticles  
**Shane M. Kendell**, Christopher J. Purssell, Bert D. Chandler  
Chemistry Department, Trinity University, San Antonio

Probing Terrace and Step sites on Pt Nanoparticles using CO and Ethylene  
**Matthew J. Lundwall**, Sean M. McClure, D.Wayne Goodman  
Department of Chemistry, Texas A&M University, College Station, TX 77843

Methanol Steam Reforming in Pd-Ag Membrane Reactor: Experiments and Modeling  
**Sameer H. Israni** and Michael P. Harold  
Department of Chemical Engineering, University of Houston, 4800 Calhoun Road, Houston, TX 77204

Ring-Opening Polymerization of Lactides Catalyzed by Natural Amino-Acid Based Zinc Catalysts  
**Osit Karroonrirun**, Dr. Donald J. Danrenbourg  
Department of Chemistry, Texas A&M University, College Station, TX 77843