

SOUTHWEST CATALYSIS SOCIETY (SWCS) 2010 SPRING SYMPOSIUM

March 12, 2010
Rice University
Houston, TX



Thank you to our Sponsors!

ExxonMobil
Chemical



سابک
sabic



CRYSTAPHASE



mi micromeritics
The Science and Technology of Small Particles™

sasol
reaching new frontiers



SWCS Officers



Chair

Michael S. Wong
Rice University

Chair-elect

Michael A. Reynolds
Shell Chemical, Westhollow

Secretary

Andy Moreland
Valero Energy Corporation

Treasurer

George Stanley
LSU, Chemistry Dept.

Directors

Bert Chandler
Trinity University

Scott Mitchell
SABIC Americas

John W. Novak, Jr.
BASF Catalysts, LLC

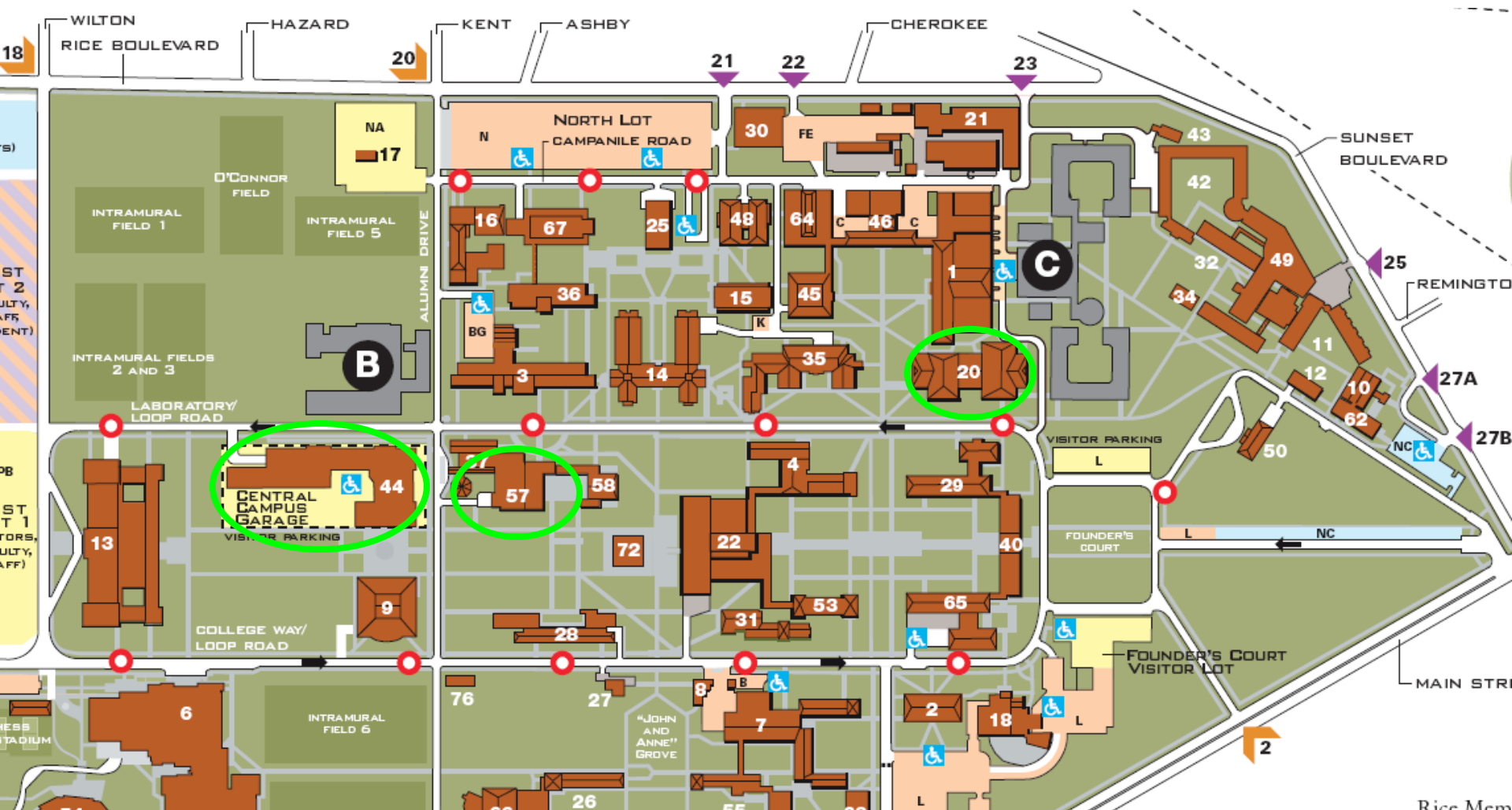
NACS Representative

Brendan Murray
Shell Global Solutions

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)

Southwest Catalysis Society 2011 Spring Meeting

April 2011

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

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

Poster Award Winners (+ \$150 for presenting student/post-docs) 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. Pursell, 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 Karroonnirun, Dr. Donald J. Danrenbourg

Department of Chemistry, Texas A&M University, College Station, TX 77843

