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Wednesday, November 16, 2011
Crowne Plaza Hotel, Somerset, New Jersey

Johannes Schwank

James and Judith Street Professor of Chemical Engineering
 Interim Director, Michigan Memorial Phoenix Energy Institute
 The University of Michigan

**Mitigation Strategies for Carbon and Sulfur Deactivation
 of Fuel Reforming Catalysts**

Reforming of liquid fuels on board of vehicles is an attractive option for fuel-cell powered auxiliary power unit (APU) applications in heavy duty vehicles. A major technological barrier, however, is the susceptibility of reforming catalysts to deactivation by sulfur and by carbon deposited during catalyst operation. This is especially of concern in on-board applications where fuel reforming has to be carried out with relatively low steam/carbon ratios, due to the limited availability of water.

In this talk, the effect of carbon deposition and exposure to sulfur compounds is explored for supported nickel catalysts, and strategies for developing deactivation resistant catalysts are discussed.

Dinner is a buffet, and includes <u>a choice of beef, chicken or fish</u>		Members	\$40
		Non-members	\$50
Social Hour (Cash Bar)	6:00 PM	Students	\$25 (Student Members = \$10)
Dinner	7:00 PM	Retired/Post-Doc/ Unemp.	\$40 (Members = \$30)
Presentation	7:45 PM	Annual Dues	\$35 (Student = \$15)

Deadline for dinner reservations is 2:00 p.m. Friday, November 11, 2011

Call or email Lucas Dorazio (732) 205-5173 (lucasd.dorazio@basf.com) for reservations. With the exception of extreme circumstances, anyone not canceling reservations by the above deadline will be billed for dinner regardless of attendance.

2010-2011 Officers: Marco Castaldi (Chair), Simon Podkolzin (Chair-Elect), Wolfgang Ruettinger (Past Chair), Israel Wachs (Catalysis Society Rep), Lucas Dorazio (Secretary), John Brody (Treasurer), Jennifer Wade (Webmaster), David Harris, Colin Beswick, John Byrne (Directors)