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The CATALYSIS SOCIETY of Metropolitan New York
www.nycsweb.org

Chairman
XIAOMING WANG
(914) 785-3818
xiaoming.wang@basf.com

Secretary
FUAT CELIK
(848) 445-5558
fuat.celik@rutgers.edu

Treasurer
JOHN BRODY
(908) 730-2932
(262) 313-4051 (FAX)
John.f.brody@exxonmobil.com

Director-Membership
TAEJIN KIM
(631) 632-8433
taejin.kim@stonybrook.edu

Student Representative
KE XIONG
(302) 562-5785
kexiong88@gmail.com

Wednesday, October 15, 2014
Somerset-Bridgewater Hotel, Somerset, New Jersey
(Formerly Crowne Plaza Hotel)

Paul T. Barger
UOP LLC, a Honeywell Company
Des Plaines, IL USA

UOP Advanced MTO Technology – A New Route for the Production of Light Olefins

The UOP Advanced Methanol-to-Olefins (MTO) Technology combines the UOP/Hydro MTO process for the conversion of methanol to light olefins with the Total Petrochemicals/UOP Olefin Cracking Process (OCP) to convert C₄₊ by-products into additional ethylene and propylene. The overall process provides a cost-advantaged route for the utilization of natural gas, coal or biomass to produce these high volume petrochemicals. Fundamental understanding of catalyst structure-performance relationships and the MTO reaction mechanism have guided the development of this technology. The integration of the MTO and OCP processes provides close to 90% overall carbon selectivity to ethylene and propylene from methanol. Recent progress on the commercialization of this technology will also be reviewed.

Leading reference:

“Various Routes to Methane Utilization – SAPO-34 Catalysis Offers Best Option”
B.Vora, J.Chen, A.Bozzano, B.Glover and P.Barger, Catalysis Today 141 (2009) 77-83,
doi:10.1016/j.cattod.2008.05.038

Dinner is a buffet, and includes a choice of beef, chicken or fish		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/Retired = \$15)

Deadline for dinner reservations is 2:00 p.m. Friday, October 10, 2014

Email Fuat E. Celik (fuat.celik.nycs@rutgers.edu) for reservations. With the exception of extreme circumstances, anyone not canceling reservations by the above deadline will be billed for dinner regardless of attendance.

2014-2015 Officers: Xiaoming Wang (Chair), Zhong He (Chair-Elect), Lucas Dorazio (Past Chair), Israel Wachs (Catalysis Society Rep), Fuat Celik (Secretary), John Brody (Treasurer), Roel Sanchez (Webmaster), John Byrne, Marco Castaldi, Simon Podkolzin (Directors), Taejin Kim (Director-Membership), Ke Xiong (Student Representative)