

# POLYMERS FOR SENSORY AND ENERGY-RELATED APPLICATIONS

Date: May 14, 2009 (Thursday), 1:00 to 6:30 pm

Location: Paul Robeson Campus Center, Bergen Room  
Rutgers University, Newark Campus

## ORGANIZER

Frieder Jäkle (*Rutgers University - Newark*)

This symposium will focus on functional polymers for applications as sensors, in optoelectronic devices including OLEDs, and in the emerging field of energy-related materials. Prominent researchers from academia, industry, and government labs will provide an overview of the state-of-the-art and discuss exciting new developments in these areas. The presentations will be accompanied by a poster session, and ample opportunities for networking with professionals involved in polymer chemistry will be provided. Updates will also be posted at the PTG website [<http://www.njacs.org/ptg.html>].

## SPEAKERS:

**Uwe Bunz** (*Georgia Institute of Technology*)

“Conjugated Polymer-Gold Nanoparticle Assemblies in Sensory Applications”

**Kelly Chichak** (*GE Global Research*)

“Polymeric Material Strategies in OLEDs”

**Huixin He** (*Rutgers University - Newark*)

“Conducting Polymer/Single Walled Carbon Nanotube Composites for Biosensor Applications”

**Douglas Kiserow** (*Army Research Office, ARO*)

“Fundamental Polymer Research Targeted at the Detection of Hazardous Materials”

**Kalle Levon** (*Polytechnic Institute of NYU*)

“Selective Potentiometric Detection of Macromolecules”

**Andy Tsou** (*Exxon Mobil Chemical Company*)

“Separator Design for Lithium Ion Batteries”

## POSTER SESSION:

Poster submissions on any polymer-related topic are welcome !

**CONTACT FOR POSTER SESSION:** Dr. Bin Wei (Henkel Corporation) ([bwei01@gmail.com](mailto:bwei01@gmail.com))

**EXHIBITS & COMMERCIAL POSTERS:** Dr. Nicole Harris (Sun Chemical) ([nicole.harris@sunchemical.com](mailto:nicole.harris@sunchemical.com))

**GENERAL INFORMATION:** Prof. Jäkle (Rutgers University) ([faekle@rutgers.edu](mailto:faekle@rutgers.edu)).

**Early Registration:** Members: \$40; Non-members: \$50; Students: \$25; free for Rutgers students and staff with ID. Early registration and poster submission deadline is April, 30, 2009. **Regular Registration:** Member, \$45; Non-member; \$55; Student, \$30. Online registration will start in late February <http://www.njacs.org/ptg.html> OR send your full contact information along with a check made payable to NJACS-Polymer Group to Dr. Willis B. Hammond, Treasurer, NJACS-PTG, 128 Center Ave., Chatham, NJ 07928, with the appropriate amount (please indicate whether you want your contact information shared with other participants).

**Directions:** Can be found at the Rutgers website <http://www.newark.rutgers.edu/maps/>. You may use Parking Deck 1 or 2.

**Corporate Sponsor:** Sun Chemical, Exxon Mobil **Co-sponsors:** Rutgers University, Rutgers-Newark Graduate Student Governing Association, ChemPharma, ACS North Jersey Local Section. **Endorsing Organizations:** NYSTAR sponsored College of Staten Island CUNY Center for Engineered Polymeric Materials, NJIT Medical Device Concept Laboratory.