



Update: 10.26.2010

Mid-Michigan Section of AIChE invite SPE to attend

Materials for Photonics Applications

Dr. Abhijit Sarkar
Michigan Molecular Institute

Abstract: Abhijit Sarkar has more than 20 years of experience developing organic and polymer materials for optoelectronic properties and applications. At the Michigan Molecular Institute (MMI), he is leading several research programs in photonics materials including work on US Army and US Air Force laser protection materials and industry sponsored laser protection eyewear development programs. Prior to joining MMI, Dr. Sarkar worked at the University of Oregon where he designed and synthesized organic chromophores. Before that, he was a Fellow and then Assistant Research Professor at Tohoku University, Sendai, Japan. Dr. Sarkar has authored over fifty research papers and has five patents and patent applications. Dr. Abhijit Sarkar was born in India and is a citizen of the United States. He received his Ph.D. from the Indian Institute of Technology in 1993.

Photonics is the optical equivalent of electronics. The two technologies often coexist in such innovations as optoelectronic integrated circuits. Just as applications of electronics have expanded dramatically since the first transistor was invented, unique applications of photonics continue to emerge. The range of application of photonics extends from energy generation to detection to communications and information processing. In this presentation, potential and challenges in the development of nonlinear optical materials for photonic applications will be discussed.

Date: Wednesday, November 17, 2010

Time: Social 5:30 p.m. • Dinner 6:05 p.m. • Program 7:00 p.m.

Location: Tuscany Banquet Hall next to Villa D'Alessandro's Restaurant, 801 East Wackerly St., Midland, MI 48640

Cost: \$25 for SPE as guests of AIChE.

Reservations: RSVP your reservation to Bruce Holden at bsholden@dow.com no later than Tuesday, November 9, 2010.

mid-Michigan SPE BOD Meeting

The next meeting will be held on Monday, November 8, 2010 at 6.00 p.m. at Michigan Molecular Institute, 1910 W. St. Andrews Road, Midland, MI 48640. We will run our usual BOD meeting but want to emphasize that this meeting is always open to member guests who would like to see what we do. We already have two guests signed up to attend: *Ken Braney*, SPE's 2010-2011 President and *Gail R. Bristol*, SPE's Managing Director, Foundation & Corporate Outreach. Take the time to see what the board does and visit with representatives from SPE International.