



Symposium on Nanotechnology with Polymers

(PMSE-ACS Spring 2011: March 27-31, 2011, Anaheim, CA)

For over three decades, **Professor Albert F. Yee** led investigations into the engineering properties of polymer materials. He focused on the intricate interplay between molecular mobility on the nanoscopic scale and mechanical behavior on the macroscopic scale. More recently, his research has filled the dimensional gap by investigating the fabrication of polymeric structures—some as small as tens of nanometers—as well as their thermal and mechanical properties. This research has spawned a diverse array of investigations, such as nanofabrication techniques, organic solar cells, and 3-D platforms for studying stem cell differentiation.



This symposium marks **Prof. Yee's 65th birthday** and **honors his contributions to the field of polymer science and engineering**. It will address the fundamental mechanisms that govern the physical and mechanical responses of polymeric solids, with a particular emphasis on modifying polymer materials or fabricating them on the nanoscopic scale to enable new engineering applications. Contributed papers that exemplify similar research interests are welcome. Topics of special interest include:

- Nanopatterning
- Nanostructured materials
- Nanotoughening
- Stimuli-sensitive polymer nanostructures
- Nanoscratch
- Layer-by-layer assembly & applications
- Characterization of polymer nanostructures
- Biomedical applications
- Photonics and photovoltaics

Invited Speakers List:

Ed. Kramer (UC Santa Barbara), Qinghuang Lin (IBM), Chris Ober (Cornell), J.-P. Pascault (INSA, France), Ray Pearson (Lehigh U), Don Paul (U Texas), Tom Russell (U Mass), Chris Soles (NIST), Grant Wilson (U Texas)

Symposium Organizers

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Abstract Submission: <http://abstracts.acs.org> (Deadline: October 18, 2010)