Silicon Containing Polymers and Composites

December 9 - 12, 2012
Omni Hotel San Diego California USA
http://polyacs.net/workshops/12Silicon/home.htm

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Silicon, the second most abundant element in the Earth's crust, is ubiquitously found in various aspects of polymer chemistry and engineering. The chemistry of silanes, siloxanes, silsesquioxanes, and silicates has had a tremendous impact on the creation of novel substances that exhibit far-reaching influence on modern material applications across multiple industries. Despite the extensive historical progression in the development of silicon-containing materials, the versatility of the element promises continued prosperity. This workshop will cover recent technological advancements in silicon-containing polymers and nano-composites produced in academic, industrial, and government laboratories, and will include everything from fundamental research to commercial product development. This workshop will be of interest to both academic and industrial communities. Selected workshop presenters will be invited to submit papers to a special issue of the journal, Silicon.

SESSION TOPICS

Polysiloxane polymers & copolymers
Nanocomposites
Sol-gel chemistry & polysilsesquioxanes
Polyhedral oligomeric silsesquioxanes
Wetting-resistant surfaces & coatings
Silica, silicate, & silsesquioxane fillers
Industrial elastomers & plastics
Composites, hybrids, & interfaces
Anti-fouling & anti-icing surfaces
Structure/property relationships
Fluoro-silicones
Organosilicon chemistry
Silicon-containing copolymers
Ceramics & glasses
Bio-silification & bio-medical applications
Adhesives

ACCOMMODATIONS

The workshop will be held at the **Omni Hotel**, 675 L Street, San Diego California USA. Hotel reservations should be made directly with the Omni by phone 1-800-THE-OMNI, referring to "ACS Polymer Division" or "ACS Polymer Silicon" conference rate of $159.00 per night (single), $179 per night (double) plus surcharge and applicable taxes per night.

Online lodging reservations will be available in the future.

POSTERS and SPEAKERS

A book of abstracts for presentations and posters will be distributed at the meeting. Presenters are asked to submit a one to two page abstract electronically to lesiar@vt.edu (consider sending a hard copy if your submission includes charts and graphs). A 12-point Times font and single spacing are preferred. Remit documentation to Lesia Linkous, 410 Davidson Hall, MC 0279, Division of Polymer Chemistry, Virginia Tech, Blacksburg, VA 24061, lesiar@vt.edu.

Submission deadline is Monday, November 2, 2012.

For more information contact

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