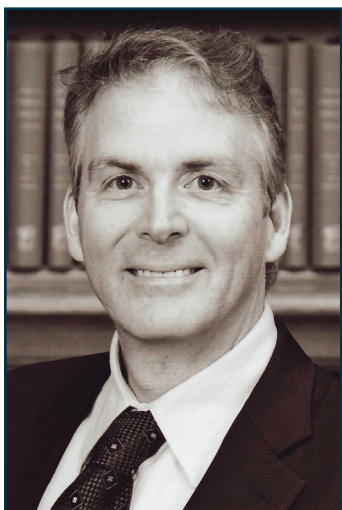


Department of Chemistry

Gassman Lectureship in Chemistry

October 7 - October 10, 2013



Professor

Craig Hawker

Department of Chemistry
& Biochemistry
University of California,
Santa Barbara

Research activities focus on synthetic polymer chemistry and nanotechnology, integrating fundamental studies with the development of nanostructured materials for advanced properties and functions in microelectronics and biotechnology.

Website:

<http://www.chem.ucsb.edu/people/academic/craig-hawker>

Lecture #3

9:45 a.m. Thursday, October 10, 2013

331 Smith Hall

The Power of Organic Chemistry in Polymer Synthesis

The facile access to functional polymers and the ability to control the number and position of multiple functional groups is a powerful tool for chemists, materials scientists, and engineers. Recently developed organic transformations are able to address these requirements while also allowing non-experts access to complex, macromolecular systems. This talk will illustrate the development and application of new organic chemistry/polymer synthesis strategies in the fabrication of nanopatterned surfaces, biocompatible and functional coatings, and mechanically robust, solvent stable nanostructured materials.

Professor Craig J. Hawker, Fellow of the Royal Society (FRS), is the Alan and Ruth Heeger Chair of Interdisciplinary Science and a Professor in the Materials, Chemistry and Biochemistry departments at the University of California-Santa Barbara. He is currently director of the California Nanosystems Institute, co-director of the Materials Research Laboratory and founding director of the Dow Materials Institute. Professor Hawker is actively involved in a range of companies, serving on the Scientific Advisory Boards of Intermolecular, Relypsa and Trilypsa Inc. Craig has received a number of awards for his work including the 2013 American Chemical Society Award in Polymer Chemistry, the 2012 Centenary Prize from the Royal Society of Chemistry, an Arthur C. Cope Scholar Award (2011) and the DSM: International Performance Materials Award in 2010. Professor Hawker has been honored with election to the Royal Society as well as being named a Fellow of the American Chemical Society and the Royal Society of Chemistry.

Regents Professor Paul G. Gassman died in April 1993, at the age of 57. He was internationally known in the chemical community, and left behind a legacy of achievement. During his career, he served as mentor and adviser to 85 doctoral and master's candidates as well as dozens of postdoctoral associates and undergraduate students. Numerous awards, honors, and honorary degrees were bestowed in recognition of his contributions to research and his service to the scientific, professional, and university communities. Some of these awards include election to the National Academy of Sciences (1989) and to the American Academy of Arts and Sciences (1992); the James Flack Norris Award in Physical Organic Chemistry (1985); Arthur C. Cope Scholar Award (1986); and the National Catalyst Award of the Chemical Manufacturers Association (1990). He served as president of the American Chemical Society in 1990. He was co-chair of the organizing committees of the National Organic Symposium (1991) and the National Conferences on Undergraduate Research meeting (1992), on the University of Minnesota campus. It was his wish that a lectureship be established to bring distinguished organic chemists to the Department of Chemistry. We are proud to present this lecture series in his honor.

