

Fall 2009 Seminar Program

Friday, October 9th
WBSH, Room 6030 - 3:15 p.m.

**Dr. Quan Li, Senior Research Fellow
 Liquid Crystal Institute**

Kent State University

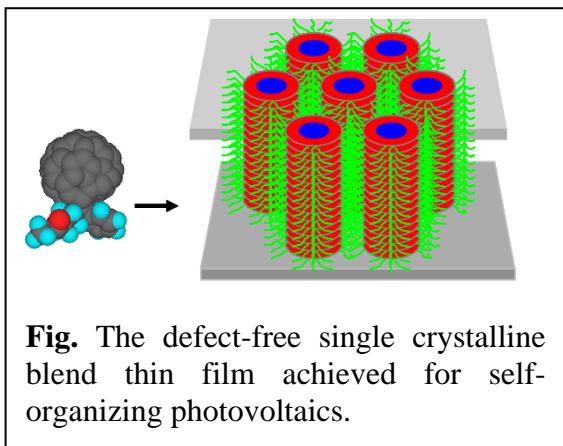


“Novel Liquid Crystals: From Display to Renewable Solar Energy”

<http://www.lci.kent.edu/PI/Li.htm>

ABSTRACT

Liquid Crystals (LCs) represent a fascinating state of matter which combines order and mobility on a molecular and supermolecular level. The unique combination of order and mobility results in that LC is typically “soft” and responds easily to external stimuli. The responsive nature and diversity of LCs provide tremendous opportunities as well as challenges for insights in fundamental science, and opens the door to various applications. The electro-optic response of LCs, on which LC display industry is based, is just one example. In this talk, I will focus on our recent progress on the exciting topic from display to renewable solar energy.



BIO

Li got his B.S. (1986) from Second Military Medical University, China. He received his Ph.D. in Organic Chemistry from Chinese Academy of Sciences (CAS), Shanghai, China. In February of 1998, he was promoted to a full professor of Organic Chemistry and Medicinal Chemistry in CAS. He held visiting appointments in Department of Chemistry, Hong Kong University of Science & Technology, Hong Kong (1996-1997); Department of Protein Engineering, Life Sciences Division, Atomic Energy Commission of France, Saclay/CEA, Paris, France (1998-1999); Institute of Organic Chemistry, University of Göttingen, Germany (1999-2000); and Department of Chemistry, University of Oregon, USA (2001-2004). Also, he was Alexander von Humboldt Fellow in Germany (1999). In 2004, Li joined LCI as a Senior Research Fellow and the director of Organic Synthesis Laboratory, and he is an adjunct professor in the Chemical Physics Interdisciplinary Program at LCI.