Postdoctoral Fellow in Theory of Soft Materials
Liquid Crystal Institute and Chemical Physics Interdisciplinary Program

Applications are invited for a postdoctoral position in soft condensed matter theory working with Profs. Robin and Jonathan Selinger. Potential research areas include:

1. Liquid-crystalline elastomers
2. Self-assembly of amphiphilic molecules into helical microstructures
3. Defect textures in flat and curved liquid-crystalline films

In all of these research areas, we seek to develop the fundamental theory of the materials and to predict how they can be used for technological applications. Research techniques include both analytical approaches and computer simulation methods. Our theoretical work is done in close collaboration with experimental physicists and chemists.

Kent State University's Liquid Crystal Institute is a leading center of basic and applied research on liquid crystals and other soft materials. Kent State University is ranked by the Carnegie Foundation among the nation's top 77 public research universities, and among the top 76 colleges and universities in community engagement.

The Kent Campus with a system-wide enrollment of 33,630 students, 28,981 undergraduates, and 4,649 graduate students is located in Kent, Ohio, a city of some 30,000 residents, on the banks of the Cuyahoga River in Portage County. It provides the resources and facilities of a diverse university on the largest residential campus in Northeast Ohio. Kent State University is easily accessible from all directions via major interstate highways; Cleveland Hopkins Airport; and Akron-Canton Airport.

Qualifications: Ph. D. in theoretical physics, chemistry, chemical engineering, or a similar area, as well as research experience related to soft materials. Knowledge of analytic theory and/or computer simulation techniques required; excellent written and oral communications skills are essential.

One-year term appointment, renewable by mutual agreement, beginning approximately February 1, 2007. Review of applications will begin December 15, 2006, and will continue until position is filled.

Interested individuals should submit a cover letter, curriculum vitae and contact information for three professional references to the KSU Job Opp website, www.kent.edu. For more detailed information on the position, send email to Prof. Jonathan Selinger, jvs@lci.kent.edu.

All applications must be submitted via the jobs website, www.kent.edu, to be considered.