

POSTDOCTORAL POSITION

The Department of Chemical Engineering at Penn State University has an opening for a postdoctoral position in the theory group of Prof. Scott Milner.

The successful candidate will do fundamental research in the general area of soft condensed matter and polymer physics, using microscopically based theory with a combination of analytical, numerical and simulation techniques. Current research areas include flow behavior of entangled polymers, interaction of flow and structure in complex fluids, glassy behavior of polymeric thin films and dense liquids, and polymer crystallization. Computational resources at Penn State include plentiful supported clusters and extensive numerical and simulation software.

The postdoc will have the opportunity to collaborate with theoretical and experimental colleagues both at Penn State and other leading research universities. Communication of results through publications and presentations at conferences is an important component of the work.

Candidates should have the following qualifications:

- * Ph.D. degree in physics, chemical engineering, or physical chemistry
- * Expertise in theoretical soft condensed matter or polymer physics
- * Simulation experience is preferred, but not necessary

Applications with curriculum vita, a brief statement of research interests, and three reference letters should be sent to Prof. Scott Milner, Department of Chemical Engineering, 120 Fenske Laboratory, Penn State University, University Park, PA 16802-4400, or by e-mail to smilner@engr.psu.edu <<mailto:smilner@engr.psu.edu>> (please include "postdoc" in the subject line). Applications will be considered until the position is filled. Start time is flexible, but spring or summer 2009 is preferred.