

## POSTDOCTORAL POSITION IN PHOTONIC CRYSTALS

A post-doctoral research position is currently available in the Organic Optoelectronics laboratory in the Department of Physics at Case Western Reserve University. The successful candidate will be part of the Center for Layered Polymer Systems (CLiPS), a recently formed National Science Foundation Science and Technology Center. Center collaborators combine novel materials and processes to form a new generation of multilayer polymer structures created in a roll-to-roll polymer co-extrusion process. The successful candidate will be involved in the investigation of these multilayer films as photonic crystals and other photonic structures, and will carry out a number of linear and nonlinear optical studies in our well-equipped laser laboratories located in the Physics Department and in the Center for Chemical Dynamics. The candidate will have opportunities for collaboration with polymer scientists, chemists, theorists, and others on a range of center activities.

We are seeking an outstanding candidate with a Ph.D. in Physics or related fields who can make significant contributions to the study of novel photonic structures and materials including one, two and three dimensional photonic crystal phenomena in multilayer films. An outstanding candidate will have strong skills in experimental optics. In addition, applicants with experience in the theory and modeling of photonic crystals using transfer matrix, FDTD are preferred. Information on the CLiPS center and the Organic Optoelectronics Laboratory can be found at: <http://nlo-server.phys.cwru.edu> .

Please send a CV, three most relevant papers, and names and contact information for three references to Prof. Kenneth Singer at [lmr5@case.edu](mailto:lmr5@case.edu) . The opening is immediate and will be filled at the earliest opportunity.

*Case Western Reserve University is committed to diversity and is an affirmative action, equal opportunity employer.*