

Postdoctoral Fellow: Advanced Photovoltaic Materials and Devices

There is an immediate opening for a Postdoctoral Research Fellow in the Polymer Science & Engineering department at the University of Massachusetts – Amherst. As a postdoctoral researcher, the candidate will study and develop new materials and devices for solar energy conversion. The research will involve the exploration of new materials for the development of advanced, high efficiency photovoltaic devices. The research will build upon recent advances in the Carter research group and also include the study of other materials, devices and techniques. The candidate may be asked to help mentor and train graduate and undergraduate students and help direct research pursuits in the areas of semiconducting polymer synthesis, advanced patterning and device fabrication & testing. The candidate will also serve as staff expert on photovoltaic devices with a consultation role and maintain active academic and industrial collaborations. Proposal writing, documentation of work through publications in top journals, and patent filings will be required.

The successful candidate will have a Ph.D. in chemistry, materials science, engineering or related disciplines, with experience with polymeric materials, synthesis and processing. A strong history in semiconducting materials or photovoltaic materials is also highly desirable. The candidate must also have a desire to engage in multi-disciplinary projects. The ideal candidate will already be in the US and hold a valid work VISA. Interested candidates should provide a cover letter, complete CV, brief research statement, and the names of three references to **Professor Kenneth R. Carter, 416 Conte Building, 120 Governors Drive, University of Massachusetts, Amherst, MA 01003**. Though not encouraged, applications may be sent electronically to <mailto:umassresearch@gmail.com>. General questions may also be sent to the above email. Applications and inquiries sent to other addresses will not be evaluated. The latest information on positions available can be found at <http://www.pse.umass.edu/carter/jobs.html>.