

Postdoctoral Fellows
in
Nanofabrication and Experimental Nanophotonics
University of Louisville, Louisville, KY

The ElectroOptics Research Institute & Nanotechnology Center (www.ee.louisville.edu/~eri) seeks two Post Doctoral Scientists with broad interdisciplinary interests and strong experimental capabilities to develop nanofabrication methods and to experimentally demonstrate nanodevices. The two positions are

- 1) **Nanofabrication process development** related to directed self assembly of suspended polymer nanofibers and metal alloy nanoneedles. For this position expertise and skills in areas such as SEM, TEM, AFM, nanomanipulation, microfabrication processing, selective materials growth and physical surface chemistry would be considered a plus.
- 2) **Nanophotonic device design**, fabrication, breadboarding and measurement related to device developments based on evanescent coupling between suspended air-clad polymer fibers. For this position, additional expertise in MEMS/NEMS design and fabrication would be considered a plus.

To apply, send in a single pdf file a CV plus contact information of three references to Bhfac01@uofl.edu.