THE UNIVERSITY OF IOWA

COLLEGE OF ENGINEERING
**Department of Electrical and Computer Engineering**
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**New faculty position(s): Assistant or Associate Professor in nanotechnology and nano-devices**

Applications are invited for several tenure-track Assistant and Associate Professor faculty positions in the area of nanotechnology and nanodevices in the department of Electrical and Computer Engineering at the University of Iowa, Iowa City, Iowa. Applications from women, and minorities underrepresented in the engineering profession, are especially encouraged. The positions are available starting in the Fall Semester of 2009. Faculty responsibilities include effective classroom teaching at the undergraduate and graduate levels, developing curricula and laboratories, supervising MS and PhD student research, publishing journal articles, developing and maintaining a nationally-recognized externally-funded research program and making appropriate service contributions to the Department. Additional information can be found at: http://www.ece.engineering.uiowa.edu/

The ECE Department maintains strong interdisciplinary research and curricular ties with the College of Liberal Arts and Sciences within the University, and significant collaborative opportunities exist within this framework. Materials growth facilities, including molecular beam epitaxy (III-V) and organic semiconductor capabilities are available through the Optical Science and Technology Center and the Department of Physics and Astronomy. Device fabrication facilities, including clean-room space, are available through the Microfabrication Facility. Faculty also have access to Department and University diagnostic support facilities including, nuclear magnetic resonance, mass spectrometry, Fourier transform infrared spectroscopy, X-ray diffraction, and electron microscopy.

We seek faculty members holding a doctoral degree in Electrical/Computer Engineering or a closely related area with experience and expertise in electrical engineering aspects of nanotechnology and nanodevices. Applications are particularly sought in the areas of integration of nano-device arrays for sensing, display, and information processing applications. Much of the nanotechnology/nanodevice research on The University of Iowa campus is housed in the Iowa Advanced Technology Laboratories building. These world class research laboratories offer state-of-the-art equipment including a variety of novel laser systems (such as widely tunable, ultrafast lasers), materials growth and characterization facilities, device fabrication and characterization, UHV surface science laboratories, and supersonic molecular beam time-of-flight mass spectrometer systems.
The new faculty will be expected to develop independent research programs with strong enabling interactions with other researchers forming a powerful interdisciplinary nanotechnology research team.

Interested applicants must sign up for a username and password at http://jobs.uiowa.edu/content/faculty/how_to_apply, and follow the ensuing instructions for applying for Requisition 56141. Using this University of Iowa Faculty Recruiting web-based approach, interested candidates should submit a letter stating their areas of specialization, statements of research interest and teaching interest, current curriculum vitae, and a list of three to five professional references. Applications will be reviewed starting December 1 and will be accepted until the positions are filled. The University of Iowa is an Equal Opportunity/Affirmative Action Employer.