Funded PhD Student in ECE, UMASS, Lowell, USA

Position: PhD Student in Optical Sensors  
Organization: Electrical & Computer Engineering Department, UMASS- Lowell  
Location: Lowell, USA

Description:

Dr. Xingwei Wang is seeking a highly motivated PhD student in optical fiber sensors. Our current research includes optical fiber sensors for harsh environments (temperature, acoustic, pressure, strain measurements), MEMS technology applied in optical field, optical sensors for bioapplications, special fiber waveguides, and adaptive optical sensors.

Our center features:

- Good facilities: setups for optical engineering are available.
- Close cooperation: We can access a lot of equipments, such as clean room, SEM, AFM, etc. in Department of Mechanical Engineering, Nano Center, Physics, etc.
- Good community and potential cooperation: Only 45 minutes drive from Boston downtown (commuter train available). Boston area is famous for its biotechnology, with lots of research centers and big companies.

Qualifications:

The candidates have Master degree and/or research experience in Optical Engineering, Sensors, Electrical Engineering, Physics, Mechanical Engineering, Biomedical Engineering, or related areas are desirable. Hands-on experiment skills and creative thinking are highly appreciated. The applicant should have demonstrated skills in written and verbal communication (in English). Good programming skill, especially in MATLAB, is a plus. The candidates should be able to work effectively in a multidisciplinary team, drive for results and success with a sense of urgency, take personal responsibility for outcomes, and think outside of box to meet business requirements.

If interested, please send a CV and the names of three references to my email address below.

Contact:

Prof. Xingwei Wang  
Electrical and Computer Engineering Department  
Email: Xingwei_wang@uml.edu