

Postdoctoral Research Associate or Research Professor in Computational Photonics

The Computer Science and Electrical Engineering department of the University of Maryland Baltimore County (UMBC) is seeking a Postdoctoral Research Associate or an Assistant Research Professor in the area of Computational Photonics. A rank of Associate Research Professor or Research Professor will be considered for exceptionally qualified candidates. The rank and salary will depend on the candidate's experience. The successful candidate will develop and validate computational models of frequency combs in short-pulse, modelocked lasers and microresonators. He or she may also participate in studies of time and frequency transport over optical fibers, optical fiber communication systems, and photonics crystal fibers. The research will involve close collaboration with experimentalists. More information about research in Computational Photonics at UMBC can be found at <http://www.photonics.umbc.edu/>

This position is available immediately. The initial appointment is for one year, with the possibility of renewal for additional years. A Ph.D. in Applied Mathematics, Theoretical Physics, or Electrical Engineering is required. Preference will be given to candidates with experience in computational methods for solving partial and ordinary differential equations, a strong background in optics, physics, and mathematics, and a strong interest in mentoring PhD students. Ability and interest in engaging in instructional activity is required for appointment at one of the research professor levels (assistant, associate, or full). More information regarding UMBC research faculty positions may be found in the UMBC faculty handbook (http://www.umbc.edu/provost/Faculty_Handbook/contents.pdf).

Interested applicants should email a CV and the names and contact information of three professional references to Curtis Menyuk (menyuk@umbc.edu). For best consideration, applications should be received by February 15, 2015. However, applications will be accepted until the position is filled.

Funds are currently available to hire one candidate. If additional funds become available, a second candidate may be hired.

UMBC is an Affirmative Action/Equal Opportunity Employer.

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