

## **B. Rob Ilic**

Research Associate – User Program Manager  
Cornell Nanoscale Science and Technology Facility  
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### **Current Position**

Research Associate & User Program Manager at Cornell Nanoscale Science and Technology Facility

### **Education**

BS Engineering Physics, MS Electrical Engineering University of Illinois  
MS, PhD Applied Physics, Cornell University

### **Recent Honors**

- Research of sub-attogram sensitivity oscillating cantilevers is widely highlighted as major breakthrough news in Discover magazine, Physics Today, Economist, Cornell News, Nanotechwire, Scienceblog, Science Daily, American Institute of Physics and others, 2004.
- Co-Chair of the Micro and Nanoelectromechanical (MEMS and NEMS) group of the American Vacuum Society 2006
- Chair of Micro and Nanoelectromechanical (MEMS and NEMS) group of the American Vacuum Society 2007

### **Honors**

Eta Kappa Nu (since 1996)  
Tau Beta Pi (since 1993)

Member of the American Vacuum Society, American Physical Society, and Institute of Electrical and Electronics Engineers.

Reviewer for: Journal of The Electrochemical Society, Physical Review B, Langmuir, Applied Physics Letters, Journal of Applied Physics, Journal of Vacuum Science and Technology, NanoLetters, Chemical Materials, Nanotechnology, Journal of Physics D, Journal of Micromechanics and Microengineering Measurement Science and Technology, Semiconductor Science and Technology

### **Publications and Research Interests**

Rob Ilic holds several patents and has authored and coauthored over 100 peer reviewed journal publications in the field of optics, quantum electronics, scanning probes, electrochemical and biological sensors, micro and nanoelectromechanical systems, nanofluidics, flux pinning in thin-film superconductors, nanomagnetism, and measurement of the quantum fluctuations of the zero point electromagnetic field. His recent research activity includes the use of nanofabricated devices for biological applications. His research continues to involve the study and development of new methods for nanostructure formation, nanoelectromechanical systems, integrated fluidic/optical devices, and nanomagnetism.