

Paul G. Evans

Assistant Professor, Materials Science and Engineering
University of Wisconsin, 1509 University Ave., Madison, WI 53706
evans@engr.wisc.edu

http://www.engr.wisc.edu/mse/faculty/evans_paul.html

Education and Training

1994, B.S., *Engineering Physics*, Cornell University
1996, S.M., *Applied Physics*, Harvard University
2000, PhD, *Applied Physics*, Harvard University
2000-2002, Postdoctoral Research, *Physical Sciences Research Division*, Bell Labs, Lucent Technologies

Research and Professional Experience

2002-present, Assistant Professor, Materials Science and Engineering, University of Wisconsin-Madison

Recent Publications: “Structural visualization of polarization fatigue in epitaxial ferroelectric oxide devices,” *Nature Materials*, **3**, 365 (2004), D.-H. Do, P. G. Evans, E. D. Isaacs, D. M. Kim, C.-B. Eom, and E. M. Dufresne; “X-ray Microdiffraction Images of Antiferromagnetic Domain Evolution in Chromium,” *Science* **295**, 1042 (2002), P. G. Evans, E. D. Isaacs, G. Aeppli, Z. Cai and B. Lai; “Local mapping of strain in colossal magnetoresistive films using X-ray microdiffraction,” *J. Appl. Phys.* **91** 7742 (2002), Y.-A. Soh, P. G. Evans, Z. Cai, B. Lai, C.-Y. Kim, G. Aeppli, N. D. Mathur, M. G. Blamire, and E. D. Isaacs; “Nanosecond Domain Wall Dynamics in Ferroelectric Pb(Zr,Ti)O₃ Thin Films,” *Phys. Rev. Lett.* **96**, 187601 (2006), A. Grigoriev, D.-H. Do, D. M. Kim, C.-B. Eom, B. Adams, E. M. Dufresne, and P. G. Evans; “Germanium hut nanostressors on freestanding thin silicon membranes,” *Appl. Phys. Lett.* **87**, 073112 (2005), P. G. Evans, D. S. Tinberg, M. M. Roberts, M. G. Lagally, Y. Xiao, B. Lai, and Z. Cai; “Subnanosecond piezoelectric x-ray switch,” *Appl. Phys. Lett.* **89**, 021109 (2006), A. Grigoriev, D.-H. Do, D. M. Kim, C.-B. Eom, P. G. Evans, B. Adams, and E. M. Dufresne; “Electronic transport in nanometre-scale silicon-on-insulator membranes,” *Nature* **439**, 703 (2006), P. Zhang, E. Tevaarwerk, B.-N. Park, D. E. Savage, G. K. Celler, I. Knezevic, P. G. Evans, M. A. Eriksson, and M. G. Lagally; “Magnetic x-ray microdiffraction,” *J. Phys. D* **39**, R245 (2006), P. G. Evans and E. D. Isaacs; “Ambipolar rubrene thin film transistors,” *Appl. Phys. Lett.* **88**, 232114 (2006).

Selected Professional and Service Activities and Awards: Argonne Center for Nanoscale Materials User Executive Committee (2005-, chair 2006-), Advanced Photon Source User Organization Executive Committee (2006-), NSLS II User Executive Committee, Special Interest Group Representative on NSLS II (2006-), University of Wisconsin Materials Science Program Admissions Committee (2004-). University of Wisconsin Polygon Teaching Award (2006). Member of American Physical Society, Materials Research Society, AAAS, and Tau Beta Pi Honor Society.

Graduate Advisor: Jene A. Golovchenko, Physics and Applied Physics, Harvard University.

Postdoctoral Advisor: Eric D. Isaacs, Center for Nanoscale Materials, Argonne National Laboratory.

Graduate Students and Postdoctoral Scholars: Dr. Alexei Grigoryev, Dal-Hyun Do (PhD 2006), Byoung-nam Park, Soonjoo Seo, Rebecca Sichel.