2006 Sixth IEEE Conference on Nanotechnology

Westin Hotel • Cincinnati, Ohio USA
17–20 July 2006

ISBN 1-4244-0077-5
06TH8861

2006 6th IEEE Conference on Nanotechnology

Copyright and Reprint Permission

IEEE Catalog Number	06TH8861 (softbound) 06TH8861C (CD-ROM)
ISBN	1-4244-0077-5 (softbound) 1-4244-0078-3 (CD-ROM)
Library of Congress	2005937117

Additional copies of this publication are available from

IEEE Operations Center
P.O. Box 1331
445 Hoes Lane
Piscataway, NJ 08855-1331 USA

1-800-678-IEEE
1-732-981-1393
1-732-981-9667 (FAX)
email: customer.services@ieee.org

About the cover image
Darren Glavic, University of Cincinnati, has morphed the Cincinnati skyine with an AFM scan of a self-assembled array of Lanthanum Sulfide nanowires—each of which produces a field emission of 0.2 nA on the average.

NANO 2006 Contents

Volume 1

Keynote and Plenary Speakers

Modeling and Simulation

Molecular Electronics, Inorganic Nanowires, Nanocrystals, and Quantum Dots

Nanobiofusion, Nanobiology, Nano-Biomedical Science

Nanocarbon, Nanodiamond, and Carbon Nanotube Based Technology

Nanocircuits and Architectures: Manufacturing Issues and Reliability

Nanoeducation

Volume 2

Nanoelectronics and Nanodevices

Nanofabrication, Nanolitography, Nanomanipulation, and Nanoimaging

Nanomaterials and Nanostructures: Synthesis and Characterization

Nano-optics, Nanophotonics and Nano-optoelectronics

Nanosensors and Nanomembranes

Spintronics, Nanomagnetics, Quantum Computing

System Integration (Nano/Micro/Macro), NEMS, and Actuators