

Poster Sessions

NSF Workshop on Sensing and Prognostics for Scalability of Nanomanufacturing
Nov 2-4, 2009, Northeastern University, Boston, MA

No.	Poster Title	Authors and Affiliation
1	Nanomaterials-new theoretical and experimental methods	Mark Benedict, John Maguire Air Force Research Lab, Materials and Mfg. Division, Dayton, OH
2	CNT-integrated sensing system for driver state detection	H. Leng, Yingzi Lin Northeastern University
3	Investigation on fault diagnosis of split-torque gearbox using acoustic emission and vibration sensors	David Hel, Ruoyu Li The University of Illinois at Chicago Eric Bechhoefer Goodrich Sensors and Integrated Systems, Vergennes, VT
4	Optimization of Nanomanufacturing Process to Increase Process Quality and Yield	Aysun Sunnetci, James Benneyan, Jacqueline Isaacs Northeastern University
5	Modeling Approaches for Nanomanufacturing Risk Management	Zeynep Ok, Jacqueline Isaacs, James Benneyan Northeastern University
6	Environmental Assessment of Carbon Nanotube Electromechanical Switch Manufacture	Lindsay Dahlben, Jacqueline Isaacs Northeastern University
7	Accurate Reliability Prediction under Equivalent and Efficient Accelerated Testing Plans	Haitao Liao and Elsyeed Elsayeed Rutgers University
8	Nonparametric Bayesian Modeling of Reliability of Nanoelectronics	Tao Yuan Ohio University Yue Kuo Texas A& M University
9	A statistical approach to quantifying the elastic deformation of nanomaterials	Xinwei Deng, V. Roshan Joseph, Wenjie Mai, Z. L. Wang, C. F. J. Wu Georgia Institute of Technology
10	Multi-sensor monitoring of chemical mechanical polishing (CMP) process for microelectronic wafers	Satish Bukkapatnam, Ranga Komanduri Oklahoma State University
11	Molecular dynamic simulations	Satish Bukkapatnam, Ranga Komanduri Oklahoma State University
12	Molecular dynamic simulation of nanometric machining processes	Satish Bukkapatnam, Ranga Komanduri Oklahoma State University
13	Aligned, highly oriented carbon nanotube composites for MEMS structural applications	Satish Bukkapatnam, Ranga Komanduri Oklahoma State University
14	Multiscale modeling and simulation for material processing	Satish Bukkapatnam, Ranga Komanduri Oklahoma State University
15	NanoManufacturing Process Modeling and Control	Lijuan Xu, Li Wang, and Qiang Huang University of Southern California
16	Length Bias in the Measurements of Carbon Nanotubes	Paul Kvam Georgia Institute of Technology
17	Robust Design and Fault Diagnosis for MgO Thin Film Growth by Molecular Beam Epitaxy	Ghulam Moeen Uddin, Abe Zeid, Kate Ziemer, Sagar Kamarthi Northeastern University