

CALL FOR PAPERS

**Symposium on
Nonlinear Modeling and Control of Smart Material Systems
The International Nonlinear Science and Complexity Conference
August 7-12 2006
Beijing, China**



The International Nonlinear Science and Complexity Conference will provide a place to exchange recent developments, discoveries, and progresses on Nonlinear Science and Complexity. The conference is to present the fundamental and frontier theories and techniques research interest for exploration of nonlinear science and complexity. The Conference will be held in August 07-12, 2006, Beijing, China. The areas of interest of the **symposium on nonlinear modeling and control of smart material systems** will include but will not be limited to the following subjects:

- Material characterization
- Control systems design, simulation, and implementation
- Modeling of complex nonlinear systems based on smart materials
- Applications of smart materials in sensing, vibration mitigation, and actuation
- Automotive applications of smart materials
- Aerospace applications of active materials
- MEMS and NEMS realization based on active materials

All papers will be peer-reviewed, and upon acceptance, they will be published in the Conference's Proceedings. Authors will have the option of having their full-length papers considered for publication in Communications in Nonlinear Science and Numerical Simulation (Elsevier). The journal website can be found at <http://www.sciencedirect.com/science/journal/10075704>. The format of the manuscripts for this conference should follow the CNSNS journal format <http://authors.elsevier.com/GuideForAuthors.html>. The conference website can be found at <http://www.siu.edu/ENGINEER/ME/NSC2006/index.html>.

Submission and Review Schedule

- January 31, 2006: Full Manuscript Due
- March 15, 2006: Notification of Acceptance
- May 1, 2006: Submission of Final Paper

Mohammad Elahinia, Symposium Chair
Mechanical Industrial and Manufacturing
Engineering Department
The University of Toledo
Toledo, Ohio, USA
419 539 8224 (Phone) 419 530 8206 (Fax)
mohammad.elahinia@utoledo.edu

Xubin Song, Symposium Co-Chair
Advanced Control and Automation
Truck Technology/Truck Components
Eaton Corporation
Southfield, Michigan, USA
248 226 1738 (Phone) 248 226 6818 (Fax)
XubinSong@eaton.com

Symposium Organizer Committee:

Farbod Fahimi

Mechanical Engineering Department
University of Alberta
Edmonton, Alberta, Canada
780 492 9345 (Phone) 780 492 2200 (Fax)
ffahimi@ualberta.ca

Waleed Faris

Mechanical Engineering Department
International Islamic University, Malaysia
Kuala Lumpur, Malaysia
03 6196 4589 (Phone) 036196 4455 (Fax)
waleed@iiu.edu.my

Ahalapitiya Jayatissa

Mechanical Industrial and Manufacturing Engineering Department
The University of Toledo
Toledo, Ohio, USA
419 539 8245 (Phone) 419 530 8206 (Fax)
ajayatis@eng.utoledo.edu

Jeong-Hoi Koo

Mechanical and Manufacturing Engineering Department
The University of Toledo
Oxford, Ohio, USA
513 529 75874 (Phone)
koo@muohio.edu

Michael Seigler

Mechanical Engineering Department
Virginia Polytechnic Institute and State University
Blacksburg, Virginia, USA
540 231 2906 (Phone) 540 231 2903 (Fax)
tseigler@vt.edu

Jiong Wang

Department of Mechanical and Electrical Engineering
School of Mechanical Engineering
Nanjing University of Science and Technology
Nanjing, JiangSu Province, P. R. of China
086-025-84315327 (Phone)
wjiongz@mail.njust.edu.cn

Hongyan Zhang

Mechanical Industrial and Manufacturing Engineering Department
The University of Toledo
Toledo, Ohio, USA
419 530 6019 (Phone) 419 530 8206 (Fax)
hozhang@eng.utoledo.edu