

Society for Industrial and Applied Mathematics (SIAM) Great Lakes Section and
The Center for the Study of Complex Systems at the University of Michigan and
Wayne State University

invite you to participate in a symposium:

"COMPLEXITY AND BUSINESS ANALYTICS: THEORY AND APPLICATIONS"

at Wayne State University
Saturday, October 14, 2006, 8:30am – 5:00pm

Call for Contributed Presentations and Posters

This symposium will showcase research and applications of complex dynamic systems, business and financial mathematical modeling, data mining and related advanced analytic methods in all areas of application.

Plenary Speakers:

Dr. Darrell D. Massie, United States Military Academy
"Using Artificial Intelligence to Optimize Power Systems"

Dr. Daniel Barth-Jones, Wayne State Univ. School of Medicine
"Modeling the Potential Public Health Impacts of HIV Vaccines"

Symposium Themes:

- Systems of systems
- Emergent behavior of complex systems
- Multiple agent systems
- Complexity in man-made and natural networks
- Complexity in organizations
- Complexity in business and financial management
- Complexity in manufacturing and work systems
- Complexity in the physical and life sciences
- Complexity in engineering and applied science
- Spatial / geographic analysis
- Financial analytics
- Network, traffic and logistics analysis
- Supply chain analysis
- Data mining methods and applications
- Public policy models and analysis
- Applied research needs and challenges

Contributors are welcome to present completed research, work in progress, open problems with mathematical approaches and other applied mathematics and computer science research within the conference themes. Contributed presentations are 25 minutes including Q&A. Poster boards (30"x40") and stands will be provided.

Please submit title and abstract (and any questions) by email to: ptuchins@ford.com
Symposium Web Site: <http://www.engin.umd.umich.edu/glsiam/symposium2.htm>

Contributed Presentation and Poster titles and abstracts are due September 15, 2006. Please include full contact and affiliation information and indicate whether a presentation or poster is contributed.

Registration is free to SIAM Great Lakes Section members. The registration fee for others is not yet decided, but will not exceed \$10. Parking, box lunch and refreshments are included. *Please join us!*

Organizing Committee:

- Chair: Phil Tuchinsky, Ford Motor Company ptuchins@ford.com
- David Bowen, Wayne State Univ., Interdisciplinary Studies d.r.bowen@wayne.edu
- David Gorsich, U.S. Army Tank-Automotive Res., Dev. & Engrg. Center gorsichd@tacom.army.mil
- Yinlun Huang, Wayne State Univ., Chemical Engineering yhuang@wayne.edu
- Daniel Reaume, General Motors Corporation daniel.reaume@gm.com
- Carl Simon, Univ. of Michigan Center for the Study of Complex Systems cpsimon@umich.edu
- Zhimin Zhang, Wayne State Univ., Mathematics zzhang@math.wayne.edu

PLEASE POST

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