

Final Program

(revised)

Sunday, June 08, 2003

- 2:00 PM Tutorial Seminar I - 251 Hardaway Hall
"Adjoint Methods"
- 3:30 PM Tutorial Seminar II - 251 Hardaway Hall
"Mollification and Regularization"
- 5:00 PM (sessions end)
- 6:00 PM Dinner (on your own)

Monday, June 09, 2003

- 7:30 AM On-Site Registration - Bryant Conference Center
- 7:30 AM Continental Breakfast - Bryant Conference Center
- 8:30 AM **Welcome**
Timothy Greene, Dean, College of Engineering
William H. Sutton, Head, Department of Mechanical Engineering
- 8:45 AM **Keynote Address**
Green's Functions in Inverse Problems J. V. Beck
- 9:45 AM Coefficient Identification In Reaction-Diffusion Equations Diego Murio
- 10:15 AM **Break**
- 10:45 AM The Use of Spatial Statistics in Estimating the Properties for a Phase Change Process Ashley Emery
- 11:15 AM Inverse approach for identification of the shrinkage gap thermal resistance in continuous casting of metals Aleksander Nawrat
- 11:45 AM **Lunch**
- 1:00 PM Development of an inverse module and of a semi-analytical sensitivity analysis for thermo-mechanical parameters identification Romain Forestier
- 1:30 PM Fouling probe development for tubular heat exchangers Laetitia PEREZ
- 2:00 PM Identification of Boundary Velocity Basing on the Internal Temperature Measurements Ireneusz Szczygiel
- 2:30 PM **Break**

2003 Inverse Problems in Engineering Symposium

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3:00 PM	Regularized inversion of real-valued Laplace transforms	Vladimir Kryzhniy
3:30 PM	Minimization of Somic Boom on Supersonic Aircraft using an Evolutionary Algorithm	Vishnu Singh
4:00 PM	A New Method for Heat Flux Determination	John Heim
4:30 PM	Effect of Deterministic Thermocouple Errors on the Solution of the Pseudo Inverse Heat Conduction Problem	Ajakumar Gupta
5:00 PM	Session Ends	
6:00 PM	Dinner - Indian Hills Country Club	

Tuesday, June 10, 2003

7:30 AM	Continental Breakfast - Bryant Conference Center	
8:30 AM	Keynote Address Green's functions and some inverse problems in structural mechanics	Yuri Melnikov
9:30 AM	A Method for Analyzing the Stability of Noniterative Inverse Heat Conduction Algorithms	Russell Keanini
10:00 AM	Bezier splines and sensitivity analysis use for inverse geometry and boundary problems	Iwona Nowak
10:30 AM	Break	
11:00 AM	An Inverse BEM/GA Approach to Determining Heat Transfer Coefficient Distributions Within Film Cooling Holes/Slots	Mahmood Silieti
11:30 AM	Inverse analysis and design in radiation	Kyle Daun
12:00 PM	Lunch	
1:00 PM	Symposium Ends	