

Second Symposium

Frontiers of Statistical, Mathematical and Computational Sciences (SMCS)

Friday, 30 September, 2005

8:45 AM – 4:10PM

Organized by *the Institute for Reliability and Risk Analysis and Statistics Department*

Location: The George Washington University, 1957 E Street NW, Room#113

Agenda

0845-0900 **Opening Remarks/Announcements** Professor William Frawley, Dean, Columbia College of Arts and Science

0900-1200 **Session I** Chair: Dr. Chris Arney, US Army Research Office

0900-0950 **Towards a generalized theory of uncertainty**, Professor Lotfi Zadeh, Division of Computer Science, UC Berkeley (Intro by Reza Modarres)

0950-1040 **Hierarchical structure in vision and language**, Professor Stuart Geman, Department of Applied Mathematics, Brown University (Intro by Robert Launer)

1110-1200 **Numerical range, and applications of anti-eigen/anti-singular values in statistics and physics**, Professor C.R. Rao, Department of Statistics, Penn State University (Intro by Tapan Nayak)

1200-1330 Lunch Break

1330-1610 **Session II** Chair: Dr. Mou-Hsiung (Harry) Chang, US Army Research Office

1330-1420 **Conditional distributions, reference measures, and nonlinear filtering**, Professor Thomas Kurtz, Department of Mathematics, University of Wisconsin (Intro by Efstathia Bura)

1420-1510 **Inference when current data restrict the range of future data**, Professor Jayaram Sethuraman, Department of Statistics, Florida State University/Indian Institute of Technology, Chennai, India (Intro by Joseph Gastwirth)

1510-1600 **Stochastic calculus, option pricing, and empirical behavior of asset prices**, Professor Michael Steele, Wharton School of Business, University of Pennsylvania (Intro by Hosam Mahmoud)

1600-1610 Concluding Remarks

REGISTRATION IS FREE. All are welcome. RSVP to: jchandra@gwu.edu

Contact Details: Jagdish Chandra, Research Professor, Department of Statistics, The George Washington University, Washington, DC. Tel: **(202) 994-0179**; E-mail: jchandra@gwu.edu