

Program in Brief

The preliminary program appears below. We welcome technical papers discussing methods or applications with a *potential* tie to defense and security issues. More details on the conference will be available. Check the web site <http://mysite.verizon.net/acas06/default.htm> for updates.

- **Welcome:**
- **Short Course:**

A short course on "[Robust Nonparametric Methods for the General Linear Model](#)," offered by Joseph W. McKean, Western Michigan University and Jeff Terpstra, North Dakota State University, will precede the conference on 16-17 October. The tutorial will start at 8:30 AM.
- **Invited Speakers:**
 - Carey Priebe, Johns Hopkins University
Scan Statistics on Enron Graphs
 - Don Brown, University of Virginia
Discrete Choice Models for Asymmetric Warfare Attack Prediction
 - Danyu Lin, University of North Carolina
Maximum Likelihood Estimation in Semiparametric Regression Models with Censored Data
 - Galit Shmueli, University of Maryland
Attacking Biosurveillance Challenges with Statistical Weapons
 - Edward Wegman, George Mason University, Yasmin Said, Johns Hopkins University and David Scott, Rice University
The Hockey Stick Controversy: Lessons for Statisticians
- **Banquet Speaker:**
 - C. Shane Reese, Brigham Young University
Degrees of Separation: A Case for the Impact of Statistics on Defense
- **Special Sessions:**
 - Statistical Frontiers at RTP
Organizer: Ed Davis, University of North Carolina
 - Amy Herring, University of North Carolina
Semiparametric Bayesian Latent Trajectory Models
 - Jianwen Cai, University of North Carolina
A Semiparametric Additive Rates Model for Recurrent Event Data
 - Joe Ibrahim, University of North Carolina
Variable Selection in Regression Mixture Modeling for the Discovery of Gene Regulatory Networks
 - Information Technology Research at NISS: Data Confidentiality and Software Engineering
Organizer: Alan F. Karr, National Institute of Statistical Sciences
 - Michael Last, National Institute of Statistical Sciences
Pooled ANOVA
 - Anna Oganian, National Institute of Statistical Sciences
Combinations of SDC Methods for Numerical Microdata
 - Mi-Ja Woo, National Institute of Statistical Sciences
New Measures of Data Utility
 - Social Network Analysis

Organizers: Ed Wegman, George Mason University and David Banks, Duke University

- John E. Gray and John T. Rigsby, Naval Surface Warfare Center
The Need for a Tensor Theory of Social Networks
- Eric Vance, Duke University
Social Networks within Calling Networks
- Alan Karr, National Institute of Statistical Sciences
Models for Dynamic Social Networks
- Special Session to Commemorate Robert Launer's Lifetime Service
Organizer: James R. Thompson, Rice University
 - Nozer D. Singpurwalla, George Washington University
 - James R. Thompson, Rice University
- Special Session in Honor of Bernard Harris on his 80th Birthday
Organizer: Frank J. Samaniego, University of California, Davis
 - Nozer D. Singpurwalla, George Washington University
 - Chong Jin Park, San Diego State University
- **Contributed Speakers:**
 - *A Multivariate Spatial Modeling Framework for Hurricane Surface Wind Fields to Improve Coastal Ocean Prediction*
Montserrat Fuentes, North Carolina State University
 - *Second Generation Point Estimation Methods*
Jerry L. Alderman, Raytheon Missile Systems
Allan Mense, Raytheon Missile Systems
 - *The R-statistic: A New Goodness-of-Fit Test*
Allan Mense, Raytheon Missile Systems
Jerry L Alderman, Raytheon Missile Systems
 - *On Comparing Systems of Different Sizes*
Francisco J. Samaniego, University of California, Davis
 - *Nonparametric Bayes Methods for Dependent Data*
Jayaram Sethuraman, Florida State University
 - *Orthogonal-Maximin Latin Hypercube Designs*
V. Roshan Joseph and Ying Hung, Georgia Institute of Technology
 - *Army Officer Forecasting Models*
LTC Mark W. Lukens, Ph.D., Army G-1
 - *Optimal Stopping of Stochastic Delay Equations and Applications*
Mou-Hsiung (Harry) Chang, US Army Research Office
 - *Dynamic Survival Modeling of International and Civil Conflict Risk*
David S. Siroky, Duke University
 - *Checking Whether Seasonal Incidence Rates Can be Attributed to Seasonal Sub-population Sampling*
Art Fries, Institute for Defense Analyses
 - *Letter Value Box Plots: Box Plots for Large Data Sets*
Heike Hoffman, Iowa State University
Karen Kafadar, University of Colorado-Denver
Hadley Wickham, Iowa State University
 - *On Bootstrap Tests of Hypotheses*
Wei-Yin Loh, University of Wisconsin, Madison
 - *Evaluation of Commercial Aluminum Alloys for Armor and Vehicle Upgrade*
John F. Chinella, Mathew Burkins, Tyrone Jones, and William Gooch, US Army Research Laboratory
 - *Value Added Outcomes in Military Service Educational Programs: Comparing New*

and Old Technologies and Methods

MAJ Krista Watts and LTC Rodney X. Sturdivant, United States Military Academy - West Point

- *Brigade Level Simulation of Transition and Sustainment (BLSTAS) (under initial development)*
Dr. Paul J. Deason, U.S. Army Analysis Fellow (Retired) and SAIC
- *Simulation Study of Army Precision Guided Artillery in an Urban Operation*
Lee Shockley, SAIC
Sam Whitfield, PM Mortars, Ft. Benning, GA
Dr. Paul Deason, Army Analysis Fellow (Retired) & SAIC
- *Inter-Rater Assessment of Select ISLE Metrics for the PLATO Evaluation Paradigm*
Ann E. M. Brodeen, Michelle T. Vanni, and Michelle C. McVey US Army Research Laboratory
Keith J. Miller, Mitre
- *Statistical Analyses of Test Data on Mine Clearing: Part 2*
Jacqueline K. Telford, The Johns Hopkins University Applied Physics Laboratory
- *Fractional Calculus Modeling Physiologic Networks:*
Bruce J. West, US Army Research Office
- *System Engineering Framework for Evaluating US Army Battle Command System Capabilities and Limitations*
Jock O. Grynovicki, US Army Research Laboratory
- *Estimation of a Weibull Mixture Distribution*
David Webb, US Army Research Laboratory
- *Spatio-Temporal Prediction of Iraqi Events*
James A. Shine, Paul F. Krause and Kathleen L. Flood, US Army ERDC-TEC
- *Modeling Co-occurrence Patterns in Space and Time*
James P. Rogers and James A. Shine, US Army ERDC-TEC
Shashi Shekhar, AHPCRC and University of Minnesota
Mete Celik, University of Minnesota
- *De-Bunking the School of the Americas Myth: An Empirical Investigation Using Ordered Logit Models with Random Intercepts*
Carol Atkinson, University of Southern California, Los Angeles
- *Outlier Detection for Monitoring and/or Sensor Networks*
Katherine B. Ensor, Rice University
- *The Little Formula that Beats the Market*
James R. Thompson and L. Scott Baggett, Rice University
- *Analyzing Irradiance and Trajectories of Rocket, Artillery, Mortar (RAM) Generated in a Closed Form Constructive Monte Carlo Simulation*
Robert H. Vasse, SAIC

- **Events:**

- Social: Tuesday, October 17, 6:30 - 8:00 PM, Radisson D&E
- Wilks Award Banquet: Wednesday, October 18, Radisson Salon B
 - 6:30 - 7:30 Social
 - 7:30 - 9:00 Banquet, Address, Wilks Award