The Department will be represented at the 2014 Joint Statistical Meetings in Boston this summer by 21 of our graduate students! The students and their topics are listed below:

*Social Statistics Section Student Paper Competition Winner

**Po-Hsu Chen** joint with T. Santner and A. Dean: “Multivariate Gaussian Process Interpolators with Varying-Parameter Covariance: An Application to Pareto Front Estimation”

**Casey Davis** joint with C. Hans and T. Santner: “Screening in Computer Experiments Using Bayesian Composite Process Models”

**Yanan Jia** joint with K. Calder: “Bayesian Methods for Affiliation Network Analysis”

**David Kline** joint with E. Kaizar and R. Andridge: “Comparing Multiple Imputation Methods for Correlated Data”

**Andrew Landgraf** joint with Y. Lee: “Logistic PCA Through an Extension of Pearson's MSE Optimality Criterion to Binary Data”

**Andrew Olsen** joint with R. Herbei: “Geometric Ergodicity of Bayesian Scale-Usage Models”

**Elizabeth Petraglia**: “Combining Two Sources of Crime Data to Improve County-Level Estimation”
*Survey Research Methods Section Travel Award Winner

**Mark Risser** joint with K. Calder: “Nonstationary Spatial Modeling via Covariance Regression”

**Grant Schneider** joint with P. Craigmile and R. Herbei: “Maximum Likelihood Estimation for Stochastic Differential Equations Using Sequential Kriging-Based Optimization”

**Agniva Som** joint with C. Hans and S. MacEachern: “Bayesian Modeling with Blockwise Hyper-G Priors”
*Section on Bayesian Statistical Science Student Travel Award Winner
Zachary Thomas joint with M. Berliner: “Bayesian Hierarchical Modeling for Assessment of Regional Climate Change in the U.S. in Response to Large-Scale Drivers of Climate”

Sivaranjani Vaidyanathan joint with M. Berliner: “Bayesian Analysis of Computer Experiments with an Application in Cosmology”

Xiaomu Wang joint with M. Berliner: “Robust Bayes Analysis with Hierarchical Classes of Priors”

Ran Wei joint with T. Shi: “On Estimation Problems of Network Sampling Methods”

Staci White joint with R. Herbei: “A Monte Carlo Approximation of Model Error”

Shuang Xia joint with S. Lin: “Detection of Dynamic Effects of Rare Haplotypes and Their Interaction with Environmental Factor on Complex Disease”

Zhiguang Xu joint with S. MacEachern and X. Xu: “Modeling Non-Gaussian Longitudinal Data Using Bayesian Copula Methods”

Jingjing Yan joint with E. Kaizar and S. MacEachern: “A Flexible Two-Dimensional Distribution for Combining Studies in Meta-Analyses of Binary Events”

Fangyuan Zhang joint with S. Lin: “Imprinting and Maternal Effect Detection Using Partial Likelihood Based on Discordant Sibship Data”

Yulei Zhang joint with W. Notz: “A General Covariance Structure of Gaussian Processes Model with Quantitative and Qualitative Inputs”