



MUMS Program Opening Workshop
August 20-24, 2018
POSTERS

Pierre Barbillon
AgroParisTech

“Adaptive Numerical Designs for the Calibration of Computer Codes”

Emanuel Ben-David
US Census Bureau

“Linear Regression with Merged Databases”

Won Chang
University of Cincinnati

“Computer Model Emulation and Calibration using High-dimensional and Non-Gaussian Spatial Data”

Arindam Fadikar
Virginia Tech University

“Clustering Based Emulation and Calibration of a Stochastic Computer Model”

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(1) Virginia Tech
(2) Argonne National Lab

Chi Feng
MIT

“Robust Decisions in the Presence of Unobserved Heterogeneity”

Giri Gopalan
University of Iceland

“Spatio-temporal Hierarchical Modeling of Shallow Glaciers”

Jiangeng Huang
Virginia Tech University

“Bayesian Calibration for a Large Computer Experiment using Local Emulation”

Whitney Huang
SAMSI / University of Victoria

“Estimating Extreme Storm Surge Levels: A Statistical Perspective”

Georgios Karagiannis
University of Durham

“Bayesian Calibration of Expensive Computer Models with Input Dependent Parameters”

Jong-Min Kim
University of Minnesota

“The Copula Functional ARCH Directional Dependence for Intraday Volatility Based on High-frequency Time Series”

Christopher Krapu
Duke University

“Inverse Hydrological Modeling with Variational Inference”

Huazhang Li
University of Virginia

“A Modular State Space Model for Brain's Directional Connectivity”

Fei Lu
Johns Hopkins University

“Data Assimilation with Stochastic Model Reduction”

Elias Massoud
Jet Propulsion Laboratory - California Institute of Technology

“Multi Objective Bayesian Model Averaging of Historic CMIP5 Runs”

Sue Minkoff
University of Texas, Dallas

“A Two-Stage Markov Chain Monte Carlo Method for Seismic Inversion”

Akihiko Nishimura
University of California, Los Angeles

“Conjugate Gradient-accelerated Gibbs Sampling for "Large n and Large p " Sparse Bayesian Logistic Regression”

Abani Patra
University at Buffalo

“Composing Complex Models and Characterizing the Uncertainty Associated”

Elmor Peterson

Systems Science Research and Consulting

“Revolutionarily-New Real-Time Simulation and Optimization Via Direct Vector-Processing”

Taylor Pospisil

Carnegie Mellon University

“Nonparametric Methods for Conditional Density Estimation and Model Assessment”

Zhuolin Qu

Tulane University

“Reducing Mathematical Models for Wolbachia Transmission in Mosquitoes to Control Mosquito-Borne Diseases”

Weiji Su

University of Cincinnati

“Joint Hierarchical Gaussian Process Model with Flexible Link Functions”

Weizhe Su

University of Cincinnati

“Hidden Markov Mixture Model for Dependent Multiple Testing with Poisson Data”

Wenjia Wang

SAMSI

“On Prediction Properties of Kriging: Uniform Error Bounds and Robustness”

Xia Wang

University of Cincinnati

“Power Link Functions in Modeling Dependent Ordinal Data”

Yan Wang

Georgia Tech University

“Exascale UQ for Computational Materials Science Problems”

Tong Wu

Tulane University

“Identifying an Underlying Partial Differential Equation Model Based on Time Series Data at Discrete Spatial Locations”

Lei Yang

SAMSI

“Infinite Dimensional Stochastic Inverse Problems”

Kai Yin

Case Western Reserve University

“Bayesian Uncertainty Quantification to Stochastic Differential Equations in Finance”

Hang Yu

Virginia Tech University

“Applying Bayesian Inference to Heterogeneous Materials Design”

Yunhui Zhu

Virginia Tech University

“Multi-scale Materials Structural registration with CT Imaging from Insufficient X-ray Illumination”