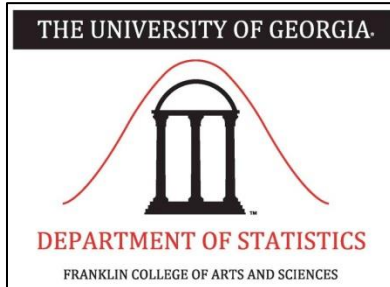


Fourth International Workshop in Sequential Methodologies

July 17 – 21, 2013



Links to Presentations

Thursday, July 18, 2013

Plenary Lecture 1	Alexander Tartakovsky	<i>Sequential Hypothesis Tests: Historical Overview and Recent Results</i>
<u>AM Session 1</u> Adaptive Designs in Clinical trials	Vladimir Dragalin	<i>Adaptive Clinical Trials with Population Enrichment Design</i>
	Alex Sverdlov	<i>Novel Response-Adaptive Designs for Clinical Trials with Time-to-Event Outcomes</i>
<u>AM Session 2</u> Change Detection in Time Series	Steve Coad	<i>Estimation of Parameters of the Absolute Autoregressive Model</i>
	Abdulkadir Hussein	<i>Issues and Remedies in Surveillance of Binary Outcomes</i>
	Edit Gombay	<i>Change Detection for Binary Time Series</i>
<u>AM Session 3</u> Multiple Comparisons in Sequential Experiments	Venugopal V. Veeravalli	<i>Controlled Sensing for Multihypothesis Testing</i>
	Shyamal K. De	<i>Sequential Multiple Testing Controlling Generalized Error Rates</i>
	Kartlos Kachiashvili	<i>Sequential Analysis Methods of Bayesian Type for Testing Hypotheses</i>
<u>PM Session 1</u> Design of Experiments	Xin Wang & Richard Lu	<i>Layers of Experiments with Adaptive Combined Design</i>
	Abhyuday Mandal	<i>Optimal Designs for Two-Level Factorial Experiments with Binary Response</i>
	Ying Hung & Huijuan Li	<i>Adaptive Latin Hypercube Designs for Computer Experiments</i>
<u>PM Session 2</u> Applications of Change-Point Detection	Robert Lund	<i>Multiple Change Point Detection</i>
	Yao Xie	<i>Detecting Change-Point in Signal Correlation</i>
	Yuan Wang	<i>Efficient Sequential Monitoring of Multiple Data Streams via Shrinkage</i>
<u>PM Session 3</u> Sequential Methods in the Hands of Young Researches - I	Kazuyoshi Yata	<i>Asymptotic Normality for Inference on Multi-Sample, High-Dimensional Mean Vectors Under Mild Conditions</i>
	Bhargab Chattopadhyay	<i>Two-State Fixed-Width Confidence Interval of Nonparametric Regression Parameters Using Nadaraya-Watson Estimator</i>
	Bruno Buonaguidi	<i>Recent Developments on Sequential Testing for Levy Processes</i>
<u>PM Session 4</u> Optimal Stopping and Sequential Statistics	Sören Christensen	<i>Representations of Excessive Functions and Their Application to Optimal Stopping Problems</i>
	Hans Rudolf Lerche	<i>Overshoot and Optimality in Sequential Testing</i>
	Alex Novikov	<i>Bayesian Sequential Estimation of a Drift of Fractional Brownian Motion</i>
<u>PM Session 5</u> Recent Advances in Sequential Methodologies with Applications - I	Hokwon Cho	<i>Statistics Inference of a Measure of Reduction for Two Binomial Variates</i>
	Elena M. Buzaiianu	<i>A Two-State Selection and Testing Procedure for Comparing Several Treatments with a Control</i>
	Joshua McDonald & David Goldsman	<i>Conditional Probability of Correct Selection after Procedure Termination</i>

Friday, July 19, 2013

Plenary Lecture 2	Shelemyahu Zacks	<i>Exact Distributions of Stopping Times in Two-State and Sequential Sampling</i>
<u>AM Session 1</u> Change Detection in Functional Sequences - I	Peihua Qiu	<i>Some Recent Research on Nonparametric Profile Monitoring</i>
	Vasanthan Raghavan	<i>Multi-Sensor Change Detection with Change Propagation</i>
<u>AM Session 2</u> Sequential Estimation for Dependent Data - I	Ouerdia Arkoun	<i>Sequential Robust Efficient Adaptive Estimation for Nonparametric Autoregressive Models</i>
	Serguei Pergamenchtchikov	<i>Minimax Sequential Kernel Estimators for Nonparametric Diffusion Processes</i>
	Yaser Samadi	<i>Sequential Fixed-Width Confidence Interval Based on Bhattacharyya-Hellinger Distance: The Nonparametric Case</i>
<u>AM Session 3</u> Sequential Methodologies and High-Dimensional Data Analysis	Moshe Pollak	<i>On Reaching Nirvana (a.k.a. Steady State)</i>
	Yu Liu	<i>Performance Analysis of Sequential Probability Ratio Test</i>
	Umashanger Thayasivam	<i>Unsupervised Anomaly Detection for High Dimensional Data</i>
<u>PM Session 1</u> Recent Advances in Sequential Methodologies with Applications – II	Tumulesh K. S. Solanky	<i>A Note on Partitioning Exponential Populations</i>
	Nitis Mukhopadhyay	<i>On Determination of an Appropriate Pilot Sample Size</i>
	Tung-Lung Wu	<i>A Sequential Procedure for Multiple Window Scan Statistics</i>
<u>PM Session 2</u> Recent Results in Sequential Analysis and Change-Point Analysis	Marlo Brown	<i>Detection of Changes of Multiple Poisson Processes Monitored at Discrete Time Points Where the Arrival Rates are Unknown</i>
	Wenyu Du	<i>An Accurate Method to Study the Shiryaev-Roberts Detection Procedure's Run-Length Distribution</i>
	Yifan Xu	<i>First Crossing Times of Compound Poisson Processes with Two Linear Boundaries- Applications in SPRT and Queuing</i>
<u>PM Session 3</u> Methodologies for High-Dimensional Data Analysis - I	Haileab Hilafu	<i>Sequential Sufficient Dimension Reduction for Large p Small n Problems</i>
	Wenbo Wu	<i>Stable Estimation in Dimension Reduction by Sub-Sampling with Random Weights</i>
	Wenhui Sheng	<i>Sufficient Dimension Reduction via Distance Covariance</i>
<u>PM Session 4</u> Sequential Methods in the Hands of Young Researchers - II	Aleksey Polunchenko	<i>A Bird's View on Computational Quickest Change-Point Detection</i>
	Sankha Muthu Poruthotage	<i>Multiple Crossing Sequential Fixed-Size Confidence Region Methodologies for Normal Mean Vector</i>
	Swarnali Banerjee	<i>Sequential Negative Binomial Problems with Applications in Statistical Ecology</i>
<u>PM Session 5</u> Sequential Change Point Detection	Boris Darkhovsky	<i>Quickest Detection via Complexity of Continuous Functions</i>
	Yasin Yilmaz	<i>Sequential Joint Detection and Estimation</i>
	Michael Baron	<i>Change-Point Detection in Multiple Channels</i>

Saturday, July 20, 2013

Plenary Lecture 3	Makoto Aoshima	<i>Effective Methodologies for High-Dimensional Data</i>
<u>AM Session 1</u> Applications of Sequential Analysis	Robert Keener	<i>The Modified Keifer-Weiss Problem, Revisited</i>
	Anastasia Ivanova	<i>Treatment Selection with the Sequential Parallel Comparison Design</i>
	Chih-Chi Hu	<i>On the Efficiency of Nonparametric Variance Estimation in Sequential Dose-Finding</i>
<u>AM Session 2</u> Change Detection in Functional Sequences - II	Eric Chicken	<i>Change Points in Nonstationary Density Estimation</i>
	Shing Chang	<i>Real-Time Detection of Wave Profile Changes</i>
	Kamaran Paynabar	<i>Process Monitoring and Fault Diagnosis Using Multichannel Profiles</i>

AM Session 3 Sensor Exploitation	Annabel Prause	<i>Sequential Detection of Three Dimensional Signals Under Dependent Noise</i>
	Igor Nikiforov	<i>Sequential Detection of Transient Changes</i>
	Qian Xie	<i>Metric-Based Multiple Image Registration</i>
PM Session 1 Recent Advances in Sequential Change Detection	George V. Moustakides	<i>Multiple Optimality Properties of the Shewhart Test</i>
	Hongzhong Zhang	<i>Robustness of the N-CUSUM Stopping Rule</i>
	Grigory Sokolov	<i>Unstructured Sequential Change Detection in Sensor Networks</i>
PM Session 2 Sequential Inference, Change-Point Detection and Clinical Trials	Dong Xi	<i>Allocating Recycled Significance Levels in Group Sequential Procedures for Multiple Endpoints</i>
	Tian Zhao	<i>Multiple Testing in Group Sequential Clinical Trials</i>
	Tiansong Wang	<i>Change-Point Detection with Multiple Sensors</i>
Sunday, July 21, 2013		
AM Session 1 Change Point Detection in Skew Distributions and Related Topics	Wei Ning	<i>Information Approach for the Change Point Detection in the Skew Normal Distribution and Its Applications</i>
	Abeer Hasan	<i>A Computational Based Methodology for the Change Point Problem Under the Non-Central Skew t Distribution</i>
	Haiyan Su	<i>Empirical Likelihood Inference for Two-Sample Comparison with Censored Data</i>
AM Session 2 Sequential Inference	Georgios Fellouris	<i>Multichannel Sequential Hypothesis Testing</i>
	Taposh Banerjee	<i>Data-Efficient Quickest Change Detection</i>
	Jun Geng & Lifeng Lai	<i>Quickest Change Point Detection with Stochastic Energy Constraints</i>
Plenary Lecture 4	Ansgar Steland	<i>Nonparametric Monitoring of Time Series</i>