

BIOSTAT 2006

MIRAMARE BAY RESORT, LIMASSOL

PROGRAM

MONDAY MAY 29, 2006

08:30 – 9:00	REGISTRATION (PRE-REGISTRATION: SUNDAY MAY 28, 2006, 5.00 pm– 8:00 pm)
9:00 - 9:30	OPENING CEREMONY

ROOM: ARTEMIS

	SESSION A1: OPENING PLENARY CHAIR: M. NIKULIN
9:30 – 10:10	Clinical Trials and the Genomic Evolution: Some Statistical Perspectives <u>Sen, P. K.</u>
10:10 – 10:50	Frailty Models for Censored and Truncated Data <u>Huber, C., Solev, V. and Vonta, F.</u>

10:50 – 11:15	BREAK
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ROOM:

ARTEMIS

ATHENA

	SESSION A2: DEGRADATION MODELS	SESSION A3: MEASURES OF DIVERGENCE, MODEL SELECTION, SURVIVAL MODELS
	CHAIR: T. NAYAK	CHAIR: A. KARAGRIGORIOU
11:15 – 11:40	On Virtual Age of Degrading Systems <u>Finkelstein, M.</u>	Discrepancy-Based Model Selection Criteria Using Cross Validation <u>Cavanaugh, J. E., Davies, S. L. and Neath, A. A.</u>
11:40 – 12:05	Optimal Maintenance Policies in Incomplete Repair Models <u>Kahle, W.</u>	Focussed Information Criteria for the Linear Hazard Regression Model <u>Hjort, N. L.</u>
12:05 – 12:30	A Competing Risks Model for Degradation and Traumatic Failure Times <u>Couallier, V.</u>	On Measures of Information and Divergence: Some Recent Developments <u>Papaioannou, T.</u>
12:30 – 12:55	Non-Periodic Inspections to Guarantee a Prescribed Level of Reliability <u>Barker, C. T. and Newby, M. J.</u>	Entropy and Divergence Measures for Mixed Variables <u>Zografos, K.</u>
12:55 – 13:15	Generalized Birth and Death Processes as Degradation Models <u>Rykov, V.</u>	On Measures of Divergence and the Divergence Information Selection Criterion <u>Mattheou, K. and Karagrigoriou, A.</u>

13:15 – 14:40	LUNCH
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The name of the Presenting Author is underlined

ROOM:	ARTEMIS	ATHENA
	SESSION A4: GENERALIZED LINEAR MODELS CHAIR: P. HOUGAARD	SESSION A5: BAYESIAN METHODS CHAIR: G. GOMEZ
14:40 – 15:05	A Model Free Approach to Combining Diagnostic Markers Pfeiffer, R. and <u>Bura, E.</u>	A Bayesian Chi-squared Test for Censored Data <u>Calle, M. L.</u> and Gómez, G.
15:05 – 15:25	On Some Modification of Seemingly Unrelated Regression Equations Model <u>Andronov, A.</u> and Svirchenkov, A.	Incorporating Bayesian Models for the Estimation of the Spread Parameters of Probabilistic Neural Networks with Applications in Biomedical Tasks <u>Georgiou, V.L.</u> and Malefaki, S.
15:25 – 15:45	Generalized Linear Models for Marked Point Processes Kraus, D.	Bayes - Fiducial Approach for Quartile Estimation and Specified Life Nomination Paramonov, Y.
15:45 – 16:05	On the Logit Methods for Ca Problems Kitsos, Ch. P.	Bayesian Analysis of Correlated 2x2 Contingency Tables <u>Eleftheraki, A. G.</u> , Kateri, M., and Ntzoufras, I.

16:05 – 16:30	BREAK
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ROOM:	ARTEMIS	ATHENA
	SESSION A6: STATISTICAL INFERENCE CHAIR: V. VOINOV	SESSION A7: QUALITY OF LIFE/ APPLICATIONS CHAIR: P. FEIGIN
16:30 – 16:55	Estimation of Rescaled Distribution for Semi-parametric Goodness of Fit Läuter, H., Nikulin, M., <u>Solev, V.</u>	The Utility of Reliability and its Coherent Elicitation Sigpurwalla, N. D.
16:55 – 17:20	Goodness of Fit Tests for Pareto Distribution <u>Gulati, S.</u> and Shapiro, S.	Measuring Degradation of Pollution Related Quality of Life in the SEQAP Study <u>Dequen, S.</u> , Segala, C. and Mesbah, M.
17:20 – 17:45	A Nonparametric Test for an Accelerated Life Time Model Liero, H.	Sequential Analysis Using Item Response Theory Models Sebille, V.
17:45 – 18:05	The Power-Generalized Weibull Probability Distribution and its Use in Survival Analysis Alloyarova, R., Nikulin, M., <u>Pya, N.</u> , and Voinov, V.	The Effect of Speech Disorders on the Quality of Life <u>Farmakis, N.</u> , Eleftheriou, M., and Psomopoulos, D.
18:05 – 18:25	Application of the Sufficient Empirical Averaging Method for Inventory Control Problem Solving Kopytov, E. and <u>Zhukovskaya, C.</u>	Analysis of Duration of Studies Data by Kernel Methods Bagkavos, D. and <u>Kalamatianou, A.</u>

19:45 – 21:00	COCKTAIL RECEPTION
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TUESDAY MAY 30, 2006

ROOM:

ARTEMIS

ATHENA

	SESSION B1: SURVIVAL MODELS	SESSION B2: DESIGNS
	CHAIR: C. HUBER	CHAIR: S. GULATI
09:00 – 9:25	First-hitting-time Models and Threshold Regression Lee, M.-L. T.	Adaptive Designs for Group Sequential Clinical Survival Experiments Slud, E. V.
9:25 – 9:50	Constant-Sum Models and Interval – Censored Data <u>Gómez, G.</u> , Oller, R., Calle, M. L.	Comparison of Sequential Experiments for Estimating the Number of Classes in a Population <u>Kundu, S.</u> and Nayak, T. K.
9:50 – 10:10	Corrected Score Estimation in the Cox Regression Model with Misclassified Discrete Covariates <u>Zucker, D. M.</u> and Spiegelman, D.	Optimal and Universally Optimal Two Treatment Repeated Measurements Designs <u>Kounias, S.</u> and Chalikias, M.
10:10 – 10:30	Estimation with Unknown Selection Bias and Censoring Gouilloux, A.	Protection of Privacy in Randomized Response Techniques Chauduri, A., <u>Christofides, T. C.</u> and Saha, A.
10:30 – 10:50	Dynamic Modeling of Greek Life Table Data Skiadas, C. H.	Neglected Issues in the Application of Statistics to Epidemiology and Medicine Minder, Ch. E.

10:50 – 11:20	BREAK
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	SESSION B3: STOCHASTIC PROCESSES	SESSION B4: PROBABILITY AND STATISTICS
	CHAIR: N. LIMNIOS	CHAIR: V. SOLEV
11:20 – 11:45	Non-Parametric Confidence Intervals for the Performability Function of Semi-Markov Systems Limnios, N. and <u>Ouhbi, B.</u>	On Pseudonormal Extension of the Class of Multivariate Normal Probability Distributions Filus, J. and <u>Filus, L.</u>
11:45 – 12:05	Estimators for Partially Observed Markov Chains and Semi-Markov Processes Müller, U., U. Schick A. and <u>Wefelmeyer, W.</u>	Unbiased Estimators for the Multivariate Polya and Wishart Distributions Lumelskii, Y., <u>Voinov, V.</u> Nikulin, M. and Feigin P.
12:05 – 12:25	On Solving Statistical Problems for the Stochastic Processes by the Sufficient Empirical Averaging Method Cheputin, E., <u>Androvov, A.</u> and Hajiyev, A.	Application of Inverse Problems in Epidemiology and Demography <u>Michalski, A.</u>
12:25 – 12:45	New Weakest Link Distribution Family <u>Paramonov, Y.</u> and Andersons, J.	Nested Plans for the Change Point Problems in Exponential Families <u>Feigin, P.D.</u> , Gurevich, G. and Lumelskii, Y.

12:45 – 14:00	LUNCH
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ROOM:	ARTEMIS	ATHENA
<p>14:00 – 14:20</p> <p>14:20 – 14:40</p> <p>14:40 – 15:00</p> <p>15:00 – 15:20</p> <p>15:20 – 15:40</p> <p>15:40 – 16:00</p>	<p>SESSION B5: MICROARRAY DATA</p> <p>CHAIR: V. COUALLIER</p> <p style="text-align: center;">Workshop</p> <p style="text-align: center;">on</p> <p style="text-align: center;">Microarray</p> <p style="text-align: center;">Data</p> <p style="text-align: center;">Lee, M.-L. T.</p>	<p>SESSION B6: MEDICAL STATISTICS</p> <p>CHAIR: V. RYKOV</p> <p>Methods for Meta-analysis of Population-based Genetic Association Studies <u>Bagos, P. G.</u> and Nikolopoulos, G. K.</p> <p>Bayesian Models for Safety Design to Prevent Foreign Body Injuries in Children <u>Berchiolla, P.</u>, Snidero, S., Stancu, A., Scarinzi, C., Corradetti, R., and Gregori, D.</p> <p>Latent Class Analysis to Evaluate the Accuracy of Diagnostic Tests for Leishmaniasis <u>Encarnação, F.</u>, Goncalves, L., Campino, L., Cristovão, J. M., and de Oliveira, M. R.</p> <p>Identifying High-Risk Subgroups for Smoking Dependency and Alcohol Consumption among Adolescents: a Classification Tree Analysis Kitsantas, P.</p> <p>A Comparison of Discriminant Analysis and Logistic Regression for the Prediction of In-hospital Mortality among Patients Hospitalized With A Range Spectrum of Acute Coronary Syndromes Kurlaba, G. and <u>Panagiotakos, D. B.</u></p> <p>A Markov Model for Disease Prevalences Including Population Development <u>Biebler, K-E.E.</u> and Jäger, B.P.</p>
16:00 – 16:30	BREAK	

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ATHENA

	SESSION B7: CANCER EPIDEMIOLOGY AND ENVIRONMENTAL OR NUTRITIONAL FACTORS CHAIR: M. L. CALLE	SESSION B8: RELIABILITY THEORY CHAIR: M. FINKELSTEIN
16:30 – 16:55	Breast Cancer among Asian-American Women in Los Angeles County Wu, A. H.	Exact Inference and Optimal Censoring Scheme for a Step-Stress Model Under Progressive Type-II Censoring N. Balakrishnan
16:55 – 17:20	Binary Regression in Truncated Samples, with Application to Comparing Dietary Instruments in a Large Prospective Study <u>Kipnis, V.</u> , Midthune, D., Freedman, L. S., and Carroll, R. J.	On Modeling and Estimability of Software Reliability Nayak, T. K.
17:20 – 17:40	Applying Functional Data Models to Predict the Burden of Breast Cancer in USA and UK <u>Erbas, B.</u> , Hyndman, R., Akram, M. and Gertig, D.	Progressive Type-II Censoring and Transition Kernels Beutner, E.
17:40 – 18:00	Equol Improves the Capacity of Tamoxifen to Prevent Mammary Tumors by Preventing Oxidative DNA Damage <u>Constantinou, A. I.</u> , White, B. E. P., and Nicolaou, K.	Fuzzy Based State Reduction Technique for Multi-State System Reliability Assessment <u>Ding, Y.</u> , Lisnianski, A., and Frenkel, I.
18:00 – 18:20	Genetic Epidemiology of Breast Cancer; the Experience in Cyprus Hadjisavvas, A., Loizidou, M., Adamou, A., Markou, Y., Christodoulou, Ch. G., and Kyriacou, K.	Markov Reward Model for Multi-State System Reliability Assessment Lisnianski, A., Frenkel, I., <u>Khvatskin, L.</u> , and Ding, Y.
18:20 – 18:40	Pneumoconiosis Revisited: Classifiers Viewed via ROC Curves and Logic Functions <u>Cacoullos, T.</u> and Pattichis, M.	

20:30 – 23:00

GALA DINNER

WEDNESDAY MAY 31, 2006

ROOM:

ARTEMIS

ATHENA

	<p>SESSION C1: APPLICATIONS</p> <p>CHAIR: V. KIPNIS</p>	<p>SESSION C2: BIO-MEDICAL APPLICATIONS</p> <p>CHAIR: A. WU</p>
08:50 – 9:10	<p>Critical Condition in Human. The Entropy Based Technology of Definition <u>Antonov, V.</u>, Fedulin, A., Nosyrev, S., Kovalenko, A. and Kashtanov, A.</p>	<p>The Dynamic of Stimulating and Inhibiting Effects in Tissue Culture <u>Chalisova, N. I.</u>, Chalisova, A. A., and Haase, G.</p>
9:10 – 9:30	<p>Bootstrapping Based Inference for a Small Sample Problem from Neonatology Campean, R.</p>	<p>Bio-Medical Immuno-Regulation by Antivirals and their Use in Chronic Infections Haase, G.</p>
9:30 – 9:50	<p>Using Independent Component Analysis of fMRI Time Series to Investigate Task-Related Activation <u>Sohr, M.</u> Kahle, W., and Brechmann, A.</p>	<p>The Cell Proliferation and Apoptosis in the Presence of Amino Acids in Organotypic Culture of Tissues of Different Age Zakutskii, A. N., <u>Chalisova, N. I.</u>, Anisimova, A. I., and Filippov, S. V.</p>

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	<p>SESSION C3: NON-PROPORTIONAL HAZARDS MODELS</p> <p>CHAIR: N. BALAKRISHNAN</p>
10:00 – 10:25	<p>Semi-parametric Regression Models for Interval-censored Survival Data, With and Without Frailty Effects Hougaard, P.</p>
10:25 - 10:45	<p>Diagnostic Plots for the Frailty Distribution in Proportional Hazards Models <u>Economou, P.</u> and Caroni, C.</p>
10:45 – 11:05	<p>Fitting Frailty Models via Linear Mixed Models using Model Transformation <u>Massonnet, G.</u>, Janssen, P. and Burzykowski, T.</p>
11:05 – 11:25	<p>Analyzing Non-Proportional Hazards <u>Perperoglou, A.</u> and van Houwelingen, H. C.</p>

11:25 – 11:50	BREAK
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ROOM: ARTEMIS

	<p>SESSION C4: CLOSING PLENARY CHAIR: I. VONTA</p>
11:50 – 12:30	<p>Hypotheses Testing: Poisson Versus Self-Exciting and Self-Correcting Dachian, S. and <u>Kutoyants, Y. A.</u></p>
12:30 – 13:10	<p>Asymptotic Confidence Bands for Kernel Density Estimators Based Upon Resampling Deheuvels, P.</p>

13:10 – 13:20	CLOSING REMARKS
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13:20 – 14:30	LUNCH
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16:00 – 18:00	EXCURSION TO YERMASOYIA
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THURSDAY JUNE 1, 2006

09:00 – 17:30	OPTIONAL ONE-DAY EXCURSION – CURIUM, KOLOSSI, PAPHOS
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