Scientific Program

All times refer to the local Greek time

Monday – September 6, 2021

10:30 - 11:00	**Opening Ceremony**

11:00 - 12:40   **Session 1**
Chairman: Alex Karagrigoriou

11:00 – 11:25	Aimilia Savva
	Adaptive rates of contraction based on p-exponential priors
11:25 – 11:50	Aliaksandr Hubin
	Reversible Genetically Modified MCMCs
11:50 – 12:15	Simone Tiberi
	BANDITS: a Bayesian hierarchical model for differential splicing accounting for sample-to-sample variability and mapping uncertainty
12:15 – 12:40	Marina Riabiz
	Optimal Thinning of MCMC Output

12:40 - 13:40   **Mid-day Break**

13:40 - 15:20   **Session 2**
Chairman: Vlad Stefan Barbu

13:40 – 14:05	Joona Karjalainen
	Parameter estimators of thinned random intersection graphs with non-binomial community size distributions
14:05 – 14:30	Jakob Peterlin
	Tests for functional form of Linear Mixed effects Models
14:30 – 14:55	Marina Dietrich
	Wild Bootstrap for Counting Process-Based Statistics with Application to Fine-Gray Models
14:55 – 15:20	Alexandre Jacquemain
	The penalized bootstrap Lorenz regression procedure

15:20 – 15:40   **Short Break 1**

15:40 - 16:40   **Keynote Lecture**
                Chairman: Fotios Milienos

                Ingrid Van Keilegom
                KU Leuven, Leuven, Belgium
                On a Semiparametric Estimation Method for AFT Mixture Cure Models

16:40 – 17:00   **Short Break 2**

17:00 - 18:15   **Session 3**
                Chairman: Christina Parpoula

                17:00 – 17:25   Murat Ozkut
                                Reliability assessment of systems with two components via phase-type distributions
                17:25 – 17:50   Martin Bladt
                                Matrix Mittag-Leffler distributions and modeling heavy-tailed risks
                17:50 – 18:15   Elena Castilla González
                                Inference for one-shot device test analysis under log-normal lifetimes

EYSM 2021

Tuesday − September 7, 2021

11:00 - 12:40   **Session 1**
               Chairman: Athanasios Rakitzis

          11:00 − 11:25   Peter Knaus
                              A Bayesian Survival Model for Time-Varying Coefficients and unobserved Heterogeneity
          11:25 − 11:50   Negera Wakgari Deresa
                              On semiparametric modelling, estimation and inference for survival data subject to dependent censoring
          11:50 − 12:15   Mathilde Sautreuil
                              Study of neural networks to predict survival in oncology
          12:15 − 12:40   Nicola-Ann Stevens
                              Application of survival techniques to establish environmental and operational controls on road bridge deterioration

12:40 - 13:40   **Mid-day Break**

13:40 - 15:20   **Session 2**
               Chairman: Aglaia Kalamatianou

          13:40 − 14:05   Petre Babilua
                              About one nonparametric estimate of the Bernoulli regression function
          14:05 − 14:30   Krzysztof Rudaś
                              Linear regression for uplift modeling
          14:30 − 14:55   Andrej Srakar
                              Combinatorial regression model in abstract simplicial complexes
          14:55 − 15:20   Johan Larsson
                              Look-Ahead Screening Rules for the Lasso

15:20 − 15:40   **Short Break 1**

15:40 - 16:40   **Keynote Lecture**
               Chairman: Fotios Milienos

          Narayanaswamy BALAKRISHNAN
          McMaster University, Hamilton, Ontario, Canada
          Efficient Likelihood-Based Inference for the Generalized Pareto Distribution

16:40 – 17:00   **Short Break 2**

17:00 - 18:40   **Session 3**
                 Chairman: Andreas Makrides

    17:00 – 17:25   Eleni Manoli
                       Effectiveness of Indirect Questioning Techniques - Simulation Results
    17:25 – 17:50   Royi Jacobovic
                       Simple sufficient condition for inadmissibility of Moran's single-split test
    17:50 – 18:15   Zeljka Salinger
                       Generalized Gaussian time series model for EEG data
    18:15 – 18:40   Yaniv Tenzer
                       Testing Independence under Biased Sampling

Wednesday – September 8, 2021

11:00 - 12:40	**Session 1**	
	Chairman: Christina Parpoula	

        11:00 – 11:25   Jovita Gudan
                            Comparison of statistics for testing changed segment in a sample

        11:25 – 11:50   Emmanouil-Nektarios Kalligeris
                            Semi-Markov Regime Switching Modeling for Anomaly Detection in Time-Series Incidence Data

        11:50 – 12:15   Leo Huberts
                            Predictive Monitoring Using Machine Learning Algorithms and a Real-Life Example on Schizophrenia

        12:15 – 12:40   Laura Boyle
                            Monitoring overcrowding in a network of hospital emergency departments

12:40 - 13:40	**Mid-day Break**

13:40 - 15:20	**Session 2**	
	Chairman: Panagiotis Papastamoulis	

        13:40 – 14:05   Saulius Jokubaitis
                            Sparse structures with LASSO through Principal Components: forecasting GDP components in the short-run

        14:05 – 14:30   Mateusz Staniak
                            Statistical methods for modern proteomics

        14:30 – 14:55   Henning Höllwarth
                            On Estimating the Distribution of the Maximum Likelihood Estimator in Exponential Families

        14:55 – 15:20   Chengchun Shi
                            Does the Markov Decision Process Fit the Data: Testing for the Markov Property in Sequential Decision Making

15:20 – 15:40	**Short Break 1**

15:40 - 16:40   **Keynote Lecture**
                 Chairman: Athanasios Rakitzis

                 Christian H. Weiss
                 Helmut Schmidt University, Hamburg, Germany
                 On Approaches for Monitoring Categorical Event Series

16:40 – 17:00   **Short Break 2**

17:00 - 18:15   **Session 3**
                 Chairman: Bojana Milošević

    17:00 – 17:25   Nikolai Slepov
                           Distributions transformations and Stein's method
    17:25 – 17:50   Mariia Platonova
                           An analogue of the Feynman-Kac formula for higher order evolution equations
    17:50 – 18:15   Ivana Valentić
                           A CLT for degenerate diffusions with periodic coefficients, and application to homogenization of linear PDEs

Thursday – September 9, 2021

11:00 - 12:40	**Session 1** **Chairman: Fotios Milienos**

11:00 – 11:25	Andrea Cappozzo *Penalized model-based clustering for three-way data structures*
11:25 – 11:50	Roi Naveiro *Protecting Classifiers from Attacks*
11:50 – 12:15	Kateřina Koňasová *Supervised classification of replicated point patterns*
12:15 – 12:40	Laura Vana *Analysis of Spatio-Temporal Data Using Bayesian and Formal Methods*

12:40 - 13:40	**Mid-day Break**

13:40 - 15:20	**Session 2** **Chairman: Chris Oates**

13:40 – 14:05	Janne Kaseva *Quantifying and Assessing Climate Resilience of Plant-Soil Systems Through Response Diversity*
14:05 – 14:30	Jan Vávra *Classification Based on Multivariate Mixed Type Longitudinal Data with an application to the EU-SILC database*
14:30 – 14:55	Steven Golovkine *Clustering multivariate functional data using unsupervised binary trees*
14:55 – 15:20	Yves Staudt *Goodness of Lift in Collision Insurance*

15:20 – 15:40	**Short Break 1**

15:40 - 16:40	**Keynote Lecture** **Chairman: Panagiotis Papastamoulis**

Sylvia FRÜHWIRTH-SCHNATTER
Vienna University of Economics and Business, Vienna, Austria
From here to infinity – bridging finite and Bayesian nonparametric mixture models in model-based clustering

16:40 – 17:00   **Short Break 2**

17:00 - 18:40   **Session 3**
                 Chairman: Lauri Viitasaari

      17:00 – 17:25   Matúš Padyšák
                              Yield curve modelling in insurance
      17:25 – 17:50   Rosanna Cataldo
                                The Partial Least Squares-Path Modeling for the building of Social Composite Indicators
      17:50 – 18:15   Laura Jula Vanegas
                                Modeling the superposition of dependent binary signals with hidden Markov models
      18:15 – 18:40   Máté Szalai
                                Stochastic modelling of the bactericidal potency

Friday – September 10, 2021

11:00 - 12:40	**Session 1** **Chairman: Milto Hadjikuriakou**	

11:00 – 11:25	Luigi-Ionut Catana	*On the stochastic orders of extremes order statistics*
11:25 – 11:50	Zoran Vidović	*Posterior properties of the Weibull model for record data*
11:50 – 12:15	Nikolaj Thams	*Testing in Interventional Distributions*
12:15 – 12:40	Beatriz Santos	*Star-shaped order for distributions with multidimensional parameters and some applications*

12:40 - 13:40	**Mid-day Break**

13:40 - 15:20	**Session 2** **Chairman: Athanasios Rakitzis**

13:40 – 14:05	Mustafa Hilmi Pekalp	*An Application of a Geometric Process Model for Debugging and Testing Costs*
14:05 – 14:30	Silius M. Vandeskog	*Modelling block maxima with the blended generalised extreme value distribution*
14:30 – 14:55	Dragana Radojičić	*The Limit Order Book statistical properties*
14:55 – 15:20	Jessica Silva Lomba	*Mixed moment estimator for space-time heteroscedastic extremes: semi-parametric inference on extreme rainfall*

15:20 – 15:40	**Short Break 1**

15:40 - 16:40	**Keynote Lecture** **Chairman: Christina Parpoula**

Markos V. KOUTRAS
University of Piraeus, Piraeus, Greece
Distributions of statistics related to random samples of random size and pattern occurrences: theory and applications

16:40 – 17:00   **Short Break 2**

17:00 - 18:15   **Session 3**
                  Chairman: Andreas Makrides

       17:00 – 17:25   Silvi-Maria Gurova
                         COVID-19: Study of the spread of the pandemic in Bulgaria
       17:25 – 17:50   Petros Barmpounakis
                         Modelling SARS-CoV2 transmission in a Bayesian framework
       17:50 – 18:15   Marian Petrica
                         A regime switching on Covid-19 analysis and prediction in Romania

18:15 – 19:00   **Closing Ceremony**