



## **Statistical Modeling with Applications**

### **Conference Program**

A Conference in honour of Professor Markos V. Koutras

Edited by Ioannis S. Triantafyllou & Alex Karagrigoriou

Department of Statistics & Insurance Science

University of Piraeus

26-28 September 2025



## Preface

On behalf of the Organizing Committee, we are delighted to welcome you to the  $\Sigma$ tatMod 2025 Conference, hosted at the University of Piraeus, under the auspices of the Department of Statistics & Insurance Science.

The conference takes place from September 26 to 28, 2025, and brings together researchers, scholars and practitioners from diverse areas of Statistical Modeling. It provides a platform for the presentation of recent advances, the exchange of ideas and the promotion of scientific collaboration.

In line with the conference's scientific scope, presentations will cover a wide range of topics in the fields of Probability, Statistics and related fields. These include, but are not limited to, Markov and semi-Markov processes, nonparametric statistics, stochastic modeling, Bayesian methods, insurance mathematics, design of experiments, theory of runs and scans, reliability modeling, entropy and information measures, statistical inference and machine learning.

$\Sigma$ tatMod 2025 Conference holds special significance as it is dedicated to honoring Professor Markos V. Koutras on the occasion of his retirement. Professor Koutras has a distinguished academic career, contributing profoundly to the fields of Probability and Statistical Modeling. It is generally acknowledged that Professor Koutras has been an inspiring mentor, collaborator and leader within the statistical community in Greece and internationally. We are especially proud to host this event at the University of Piraeus, where Professor Koutras has served with commitment and excellence throughout his academic tenure.

It is a genuine pleasure for all of us that, during the course of the conference, brief addresses in recognition of the Guest of Honour, Professor Markos V. Koutras will be delivered by eminent scholars, such as Subha Chakraborti, Tasos Christofides, Charalampos Damianou, Georgios Donatos, Aglaia Kalamatianou, Andreas Kyriakousis, Athanasios Kyriazis, Takis Papaioannou, Andreas Philippou and George Roussas.

We extend our sincere gratitude to all participants, speakers and contributors for joining us in commemorating 5 years of successful  $\Sigma$ tatMod conferences and at the same time celebrating Professor Koutras' legacy. We anticipate that the conference will be a stimulating and collegial academic gathering.

We wish you a productive and rewarding conference experience.

On behalf of the Organizing Committee,

Ioannis S. Triantafyllou & Alex Karagrigoriou

## Friday, 26 September 2025

<b>Ground Floor Lobby</b> 09.00-10.00	<b>Conference registration</b>
<b>Conference Hall</b> 10.00-10.30	<b>Opening session</b> <b>Chair: Ioannis S. Triantafyllou</b>
	<b>Vlad S. Barbu</b> , Co-chair of the $\Sigma$ tatMod Conference Series Welcome address <b>Alex Karagrigoriou</b> , Head of the Department of Statistics & Insurance Science Welcome address <b>Michael Sfakianakis</b> , Rector of the University of Piraeus Welcome address <b>Markos V. Koutras</b> , Guest of Honour Welcome address <b>Ioannis S. Triantafyllou</b> , Chair of the Organizing Committee of $\Sigma$ tatMod2025 Opening overview
<b>Conference Hall</b> 10.30-12.00	<b>Plenary session</b> <b>Chair: Alex Karagrigoriou</b>
10.30-11.00	<b>Peihua Qiu</b> Online Monitoring of Dynamic Data Streams Using Transparent Sequential Learning
11.00-11.30	<b>Hon Keung Tony Ng</b> Tests for Homogeneity of Component Lifetime Distributions Based on System Lifetime Data
11.30-12.00	<b>Petros Dellaportas</b> Gaussian Invariance in Markov Chain Monte Carlo
12.00-12.30	<b>Coffee break</b>

<b>Conference Hall</b> 12.30-14.00	<b>Plenary session</b> <b>Chair: Donald E.K. Martin</b>
12.30-13.00	<b>Min Xie</b> Some probability and statistical issues in reliability the era of AI
13.00-13.30	<b>Serkan Eryilmaz</b> On some analogies between engineering and biological systems from a reliability engineering point of view
13.30-14.00	<b>Nikolaos Limnios</b> Normal deviation of Gamma Processes in Semi-Markov Random Media
14.00-15.30	<b>Lunch break</b>

<b>Conference Hall</b> <b>15.30-17.30</b>	<b>Academic Legacy: PhD Graduates of Professor Markos V. Koutras</b> <b>Chair: Maria Kateri</b>
<b>15.30-15.50</b>	<b>Vasiliki A. Alexandrou</b> Journey log
<b>15.50-16.10</b>	<b>Michael V. Boutsikas</b> On the distribution of the number of success runs in a continuous time Markov chain
<b>16.10-16.30</b>	<b>Sotirios Bersimis</b> Studying Clinical Trials Designs using Markov Chain Embedding
<b>16.30-16.50</b>	<b>Fotios S. Milienos</b> Some critical aspects of cure rate modeling
<b>16.50-17.10</b>	<b>Ioannis S. Triantafyllou</b> The signature of coherent systems: A probabilistic tool for Reliability Modeling
<b>17.10-17.30</b>	<b>Elisavet M. Sofikitou</b> Usage of novel bivariate distributions and clustering concept to construct multivariate semiparametric control charts
<b>17.30-18.00</b>	<b>Coffee break</b>

<b>Conference Hall</b> <b>18.00-18.30</b>	<b>Plenary session</b> <b>Chair: Michael N. Katehakis</b>
	<b>Sheldon M. Ross</b> First Ahead by at least $k$ Multinomial Game
<b>Conference Hall</b> <b>18.30-19.20</b>	<b>A tribute to Professor Markos V. Koutras</b> <b>Chair: Ioannis S. Triantafyllou</b>
	Commemorative session dedicated to the Guest of Honour, including contributions on his impact, followed by brief tribute addresses from  <b>Georgios Donatos</b> , Emeritus Professor of National and Kapodistrian University of Athens  <b>Aglaia Kalamatianou</b> , Emerita Professor of the Panteion University of Social & Political Sciences  Brief greetings shall be given on behalf of  <b>Takis Papaioannou</b> , Emeritus Professor of the University of Piraeus and University of Ioannina  <b>Charalambos Damianou</b> , Retired Professor of National and Kapodistrian University of Athens  <b>Ourania Chrysafinou</b> , Emerita Professor of National and Kapodistrian University of Athens
<b>20.00</b>	<b>Welcome Reception</b>

## Saturday, 27 September 2025

<b>Room 101</b> 09.00-10.40	<b>Demography</b> <b>Chair: George Psarrakos</b>
09.00-09.20	<b>Michail Chouzouris</b> Unasked, Unanswered: The Quiet Power of Interviewers in a Large Panel International Survey
09.20-09.40	<b>Elena Corina Cipu</b> Entropy measures of population dynamics and economic implications
09.40-10.00	<b>Georgia Verropoulou</b> The impact of the COVID-19 pandemic on the life expectancy of the population of Greece at national and regional level: 2020-2022
10.00-10.20	<b>Peter Hatzopoulos</b> A General Stochastic Mortality Modelling Framework
10.20-10.40	<b>Apostolos Bozikas</b> Entropy Measures in Mortality Modelling
<b>Room 102</b> 09.00-10.40	<b>Advanced Statistical and Dynamic Models in Epidemic and Health Data</b> <b>Chair: Pantelis Bagos</b>
09.00-09.20	<b>Vasileios E. Papageorgiou</b> A Stochastic SPIR Model with Particle Filtering for Estimating Epidemic Dynamics
09.20-09.40	<b>Vana Sypsa</b> Mathematical models in infectious diseases as a tool to inform policy decisions
09.40-10.00	<b>Christos Thomadakis</b> Joint modelling of longitudinal and competing-risk data under failure cause and non-informative right censoring
10.00-10.20	<b>Giota Touloumi</b> Joint modeling of longitudinal (bio)markers and visiting process to dynamically predict time-to-next visit: identifying individuals more prone to disengage from care
10.20-10.40	<b>Stelios Zimeras</b> Stochastic epidemic models
<b>Room 103</b> 09.00-10.40	<b>Advances in Statistical Inference under Complex Data Structures</b> <b>Chair: George Iliopoulos</b>
09.00-09.20	<b>Salim Bouzebda</b> A nonparametric distribution-free test of independence among continuous random vectors based on $L_1$ -norm
09.20-09.40	<b>Bojana Milošević</b> Testing independence in the presence of missing data: high-dimensional case
09.40-10.00	<b>Dimitrios Bagkavos</b> Superefficient estimation of future conditional hazards based on marker information
10.00-10.20	<b>Apostolos Batsidis</b> Statistical inference under size-biased sampling
10.20-10.40	<b>Daniel Gaigall</b> A goodness-of-fit test for the geometric maximum compound logistic distribution model
<b>Conference Hall</b> 10.50-11.20	<b>Plenary session</b> <b>Chair: Nikolaos Limnios</b>
	<b>Narayanaswamy Balakrishnan</b> Flexible Modelling of LTRC Data with Covariates
<b>11.20-11.50</b>	<b>Coffee break</b>

<b>Room 101</b> <b>11.50-13.30</b>	<b>Advances in Experimental Design, Functional Methods and Odds Models</b> <b>Chair: Haralambos Evangelaras</b>
<b>11.50-12.10</b>	<b>Miltiadis Chalikias</b> Repeated Measurements Designs: The existence of a control treatment in a model of two treatments
<b>12.10-12.30</b>	<b>Emmanouil Androulakis</b> On the $E(s^2)$ -optimality of two-level supersaturated designs constructed from orthogonal arrays with partially aliased interactions
<b>12.30-12.50</b>	<b>Milto Hadjikyriakou</b> Stochastic orders and shape properties for a new distorted proportional odds model
<b>12.50-13.10</b>	<b>Aylin Alin</b> Robust Functional Penalized and Smoothed SIMPLS
<b>13.10-13.30</b>	<b>Panpan Zhang</b> The Sackin index and depth of leaves in generalized Schröder trees
<b>Room 102</b> <b>11.50-13.30</b>	<b>Markov and Semi-Markov Models in Contemporary Statistical Applications</b> <b>Chair: Vlad S. Barbu</b>
<b>11.50-12.10</b>	<b>Andreas Makrides</b> On seismic activity and extreme events via semi-Markov modelling with multivariate state space
<b>12.10-12.30</b>	<b>George Tsaklidis</b> Study of a homogeneous Markovian compartmental model as a viscoelastic medium
<b>12.30-12.50</b>	<b>Pantelis G. Bagos</b> Hidden Markov Models in Bioinformatics: A personal narrative
<b>12.50-13.10</b>	<b>Aguêmon Léon Tehungue</b> Hidden Drifting Markov Models: Theory, Inference, and Simulation-Based Evaluation
<b>13.10-13.30</b>	<b>Chafiâa Ayhar</b> Continuous time Semi-Markov Processes for reliability and survival analysis: A Nonparametric Estimation Approach
<b>Room 103</b> <b>11.50-13.30</b>	<b>Modern Challenges in Statistical Inference and Estimation Techniques</b> <b>Chair: Nikolaos Limnios</b>
<b>11.50-12.10</b>	<b>Constantinos Petropoulos</b> Improved estimation of location parameters of two exponential distributions with ordered scale
<b>12.10-12.30</b>	<b>Georgios Afendras</b> Uniform integrability of the OLS estimators and the convergence of their moments
<b>12.30-12.50</b>	<b>George Tzavelas</b> A way of eliminating a nuisance parameter with the plug-in method utilizing an independent sample
<b>12.50-13.10</b>	<b>Alex Karagrigoriou</b> Statistical inference for a generalized family of divergences with censoring
<b>13.10-13.30</b>	<b>Konstantinos Zografos</b> Is still the normality assumption meaningful in inference? The case of Gaussian estimation
<b>13.30-15.00</b>	<b>Lunch break</b>

<b>Room 101</b> <b>15.00-16.20</b>	<b>Quantitative Analysis of Market Dynamics, Financial Risk and Societal Behavior</b> <b>Chair: Panos Xenos</b>
<b>15.00-15.20</b>	<b>Eleni Tsami</b> Volatility properties for the general price index of the Athens stock exchange
<b>15.20-15.40</b>	<b>Vangelis Tsioumas</b> A Quantitative Assessment of Extreme Freight Rates in Shipping
<b>15.40-16.00</b>	<b>Dimitris Ioannides</b> Estimating the Probability of Default Cascades in Financial Markets
<b>16.00-16.20</b>	<b>Theodore Chadjipadelis</b> Enhancing Civic Engagement: Behavioral Insights from Young Students
<b>Room 102</b> <b>15.00-16.20</b>	<b>Advances in Stein's Method and Limit Theorems</b> <b>Chair: Michael V. Boutsikas</b>
<b>15.00-15.20</b>	<b>Yvik Swan</b> Stein's Method of Moments
<b>15.20-15.40</b>	<b>Robert E. Gaunt</b> Convex distance bounds for the stable central limit theorem via Stein's method
<b>15.40-16.00</b>	<b>Ferdinand Rapin</b> Higher order derivatives of Stein's solution and the Integrated Pearson family
<b>16.00-16.20</b>	<b>Paul Mansanarez</b> Edgeworth expansion in a fixed Wiener chaos
<b>Room 103</b> <b>15.00-16.20</b>	<b>Stochastic Optimization and Decision-Making in Dynamic Systems</b> <b>Chair: Guglielmo D'Amico</b>
<b>15.00-15.20</b>	<b>Apostolos Burnetas</b> Optimal and Learning-Based Server Replacement in M/M/1 Queues with Fatigue-Induced Failures
<b>15.20-15.40</b>	<b>Theodosios D. Dimitrakos</b> Some applications of Markov decision processes using stochastic dynamic programming
<b>15.40-16.00</b>	<b>Epaminondas G. Kyriakidis</b> Optimal choice of next customer in stochastic single vehicle routing problems with pick-up and delivery
<b>16.00-16.20</b>	<b>Ionel Popescu</b> Particle swarm optimization convergence
<b>Conference Hall</b> <b>15.00-16.20</b>	<b>Bayesian Statistical Inference</b> <b>Chair: Dimitris Karlis</b>
<b>15.00-15.20</b>	<b>Ioannis Ntzoufras</b> Bayesian Signature Authenticity Validation
<b>15.20-15.40</b>	<b>Christos Merkatas</b> System identification via Bayesian nonparametrics
<b>15.40-16.00</b>	<b>Panagiotis Papastamoulis</b> Bayesian inference and Cure Rate Models
<b>16.00-16.20</b>	<b>Dário Ferreira</b> A Robust Approach for Variance Component Estimation under Missing Data

<b>Conference Hall</b> <b>16.30-17.00</b>	<b>Plenary session</b> <b>Chair: Konstantinos Zografos</b>
	<b>Antonio Di Crescenzo</b> Stochastic processes with bimodal transition densities: construction and centroid-based analysis
<b>17.00-17.30</b>	<b>Coffee break</b>

<b>Room 101</b> <b>17.30-18.50</b>	<b>Reliability and Forecasting Models in Renewable Energy Systems</b> <b>Chair: Bojana Milošević</b>
<b>17.30-17.50</b>	<b>Guglielmo D'Amico</b> Reliability Analysis of Energy Communities
<b>17.50-18.10</b>	<b>Filippo Petroni</b> Instantaneous Mobility indexes for Markov Reliability Systems applied to Wind-Farm
<b>18.10-18.30</b>	<b>Veronica Vigna</b> Forecasting Models for Energy Demand
<b>18.30-18.50</b>	<b>Paraskevi Kapetanopoulou</b> The future of electricity production from renewable sources in Greece using Grey Markov Models
<b>Room 102</b> <b>17.30-18.50</b>	<b>Advances in Autoregressive Modeling and Change Detection in Time Series Models</b> <b>Chair: Apostolos Batsidis</b>
<b>17.30-17.50</b>	<b>Dimitris Karlis</b> Non-parametric random coefficient integer autoregressive models
<b>17.50-18.10</b>	<b>Ioannis Dimitriou</b> On various dependence structures in vector-valued reflected autoregressive processes
<b>18.10-18.30</b>	<b>Anna Nalpantidi</b> Bivariate autoregressive model for ordinal time series
<b>18.30-18.50</b>	<b>Christina Parpoula</b> Dynamic parameter tuning for optimal detection of changes in a signal
<b>Room 103</b> <b>17.30-18.50</b>	<b>Postdoctoral Fellows of Professor Markos V. Koutras</b> <b>Chair: Narayanaswamy Balakrishnan</b>
<b>17.30-17.50</b>	<b>Petros E. Maravelakis</b> CUSUM Control Chart for Lifetime Monitoring under Failure Censoring With Replacement
<b>17.50-18.10</b>	<b>Panayiotis Bobotas</b> On the preservation of ageing properties under random maxima
<b>18.10-18.30</b>	<b>Spiros D. Dafnis</b> On a new family of continuous univariate distributions
<b>18.30-18.50</b>	<b>Demetrios Lyberopoulos</b> Maximal inequalities for N-demimartingales with scan statistic applications
<b>20.30</b>	<b>Conference Dinner</b>



## Sunday, 28 September 2025

<b>Room 101</b> 09.00-10.40	<b>Advanced Statistical Methods in High-Dimensional Data and Risk Analysis</b> <b>Chair: Cristian Preda</b>
09.00-09.20	<b>Andreas Artemiou</b> A method for Sufficient Dimension Reduction (SDR) in high dimensional settings
09.20-09.40	<b>Georgios Skoulakis</b> Ex-post Risk Premia Estimation using Large Cross Sections of Assets: Regularization and Clustering
09.40-10.00	<b>Manuela-Simona Cojocea</b> The joys and challenges of the Kolmogorov expected value
10.00-10.20	<b>Riccardo De Blasis</b> On the behavior of the global reaching centrality
10.20-10.40	<b>Mihaela Pricop Jeckstadt</b> Projective Shape Analysis for Spatial Orientation in Virtual Environments
<b>Room 102</b> 09.00-10.40	<b>Advances in Probability Distributions and Statistical Modeling</b> <b>Chair: Sotirios Bersimis</b>
09.00-09.20	<b>Igor Podlubny</b> Negative probability and signed probability distributions: simulation and some applications
09.20-09.40	<b>Sandra Ferreira</b> An Extension of the Weibull Distribution to Accommodate Non-Monotonic Hazard Functions: Properties and Applications
09.40-10.00	<b>Donald E.K. Martin</b> Efficient computation of pattern statistic distributions for many values of input parameters
10.00-10.20	<b>Vassilis G.S. Vasdekis</b> Bias correction in random effects models with sparse binary responses
10.20-10.40	<b>Michael A. Zazanis</b> Coverage Processes with Infinitely Divisible Marginals and the Ornstein-Uhlenbeck Process
<b>Room 103</b> 09.00-10.40	<b>Design of Experiments with Applications</b> <b>Chair: Christos Koukouvinos</b>
09.00-09.20	<b>Christos Koukouvinos</b> Statistical modeling using unreplicated designs
09.20-09.40	<b>Stelios D. Georgiou</b> Composite designs and alternatives for response surface methodology
09.40-10.00	<b>Marilena Mitrouli</b> Direct methods for variable selection in statistical modeling
10.00-10.20	<b>Kalliopi Mylona</b> Split-plot experiments in pharmaceutical industry
10.20-10.40	<b>Haralambos Evangelaras</b> A family of three-level orthogonal arrays useful for fitting second order linear models with quantitative factors

<b>Conference Hall</b> 10.50-11.20	<b>Plenary session</b> <b>Chair: Athanasios C. Rakitzis</b>
	<b>Maria Kateri</b> Step-Stress Accelerated Life Testing: New Developments and Trends in Reliability Modeling
<b>11.20-11.50</b>	<b>Coffee break</b>

<b>Room 101</b> <b>11.50-13.30</b>	<b>Advances in Insurance, Risk and Survival Modeling</b> <b>Chair: George Tzavelas</b>
<b>11.50-12.10</b>	<b>George Messinios</b> Comparative Private Health Insurance Indices: International Experience and Proposals for the Greek Case
<b>12.10-12.30</b>	<b>Georgios I. Papayiannis</b> Model averaging in the Wasserstein space and applications in claim size distribution estimation
<b>12.30-12.50</b>	<b>Katarzyna Szczerba</b> AI-informed Non-linear Cox Model for Survival Analysis of Running-Related Injuries
<b>12.50-13.10</b>	<b>Matúš Maciak</b> Infinitely Stochastic Micro Reserving
<b>13.10-13.30</b>	<b>Silvia Dedu</b> General information measures for loss models and survival models involving truncated and censored random variables
<b>Room 102</b> <b>11.50-13.30</b>	<b>Uncertainty, Reliability and Adaptive Production in Complex Systems</b> <b>Chair: Serkan Eryilmaz</b>
<b>11.50-12.10</b>	<b>Yilser Devrim</b> On reliability evaluation of fuel cell stack system subject to competing failures
<b>12.10-12.30</b>	<b>Ioannis Mavrogiannis</b> Auxiliary Heating of Nuclear Fusion Plasmas: Surrogate Model Comparison for Uncertainty Quantification and Sensitivity Analysis
<b>12.30-12.50</b>	<b>Konstantinos A. Tasiias</b> Unified management of interacting operations in degrading and adaptive production systems
<b>12.50-13.10</b>	<b>Nikolaos Englezos</b> A Novel HydroEconomic - Econometric Approach for Integrated Transboundary Water Management Under Uncertainty
<b>13.10-13.30</b>	<b>Cihangir Kan</b> Reliability assessment of systems equipped with protection blocks under discrete time modeling
<b>Room 103</b> <b>11.50-13.30</b>	<b>Advances in Stochastic Orders and Generalized Distributions with Applications</b> <b>Chair: Antonio Di Crescenzo</b>
<b>11.50-12.10</b>	<b>Georgios Psarrakos</b> Lindley-type weighed distributions with applications to Actuarial and Risk Management
<b>12.10-12.30</b>	<b>Lazaros K. Kanellopoulos</b> Some stochastic orders and aging properties of a recent family of continuous univariate distributions
<b>12.30-12.50</b>	<b>Michail Tsagris</b> Directional data analysis: spherical Cauchy or Poisson kernel-based distribution?
<b>12.50-13.10</b>	<b>George Iliopoulos</b> On the star order for convolutions of Erlang distributions and tests for the scale of hypoexponential distribution
<b>13.10-13.30</b>	<b>Christos P. Kitsos</b> On the family of the $\gamma$ -order distributions with applications to Physics
<b>Conference Hall</b> <b>13.40-14.10</b>	<b>Plenary session</b> <b>Chair: Vassilis G.S. Vasdekis</b>
	<b>Marianthi Markatou</b> Poisson Kernel-Based Inference on the High-Dimensional Sphere
<b>14.10-15.30</b>	<b>Lunch break</b>

<b>Room 101</b> <b>15.30-16.50</b>	<b>Advances in Supervised Machine Learning for Complex Domain and Survival Data</b> <b>Chair: Fotios S. Milienos</b>
<b>15.30-15.50</b>	<b>Vasilis Chasiotis</b> Supervised statistical (machine) learning for domain estimation with business survey data
<b>15.50-16.10</b>	<b>László Márkus</b> On the Accuracy of Deep Learned Parameters of Fractional Processes
<b>16.10-16.30</b>	<b>Iakovos-Christos Zarkadis</b> A Classification and Adversarial Approach on the Under-Sampled UMNIDS Dataset
<b>16.30-16.50</b>	<b>Danai Koutra</b> Not all Neighbors Agree: Graph Learning Beyond Homophily
<b>Room 102</b> <b>15.30-16.50</b>	<b>Advances in Renewal Theory and Ruin Probabilities</b> <b>Chair: Konstadinos Politis</b>
<b>15.30-15.50</b>	<b>David-Jacob Economides</b> On joint discounted densities of the deficit and the number of claims until ruin, assuming dependent claim sizes and inter-claim times
<b>15.50-16.10</b>	<b>Spyridon M. Tzaninis</b> Ruin probabilities in the Sparre Andersen model: A change of measures approach
<b>16.10-16.30</b>	<b>Christos G. Papadopoulos</b> A new approximation for the Weibull renewal function
<b>16.30-16.50</b>	<b>Samis Trevezas</b> Finite multi-time Markov Renewal chains-Algebraic properties and computational issues
<b>Room 103</b> <b>15.30-16.50</b>	<b>Statistical Process Monitoring</b> <b>Chair: Petros Maravelakis</b>
<b>15.30-15.50</b>	<b>Theodoros Perdikis</b> Improved Shewhart-type control charts based on weak runs in multistate trials
<b>15.50-16.10</b>	<b>Konstantinos G. Fountoukidis</b> A Max-type control chart with runs rules for monitoring a shifted exponential process
<b>16.10-16.30</b>	<b>Athanasios C. Rakitzis</b> A Comparative Study of Control Charts with Individual Observations for Monitoring Shifted Exponential Processes
<b>16.30-16.50</b>	<b>Panagiotis Tsiamyrtzis</b> Self-Starting Shiryaev (3S): A Bayesian Change Point Model for Online Monitoring of Short Runs
<b>Conference Hall</b> <b>15.30-16.50</b>	<b>Stochastic Games and Discrete Structures</b> <b>Chair: Spiros D. Dafnis</b>
<b>15.30-15.50</b>	<b>Dimitris Cheliotis</b> Operator norm for random matrices with general variance profile
<b>15.50-16.10</b>	<b>Antonis Dimakis</b> Limit Equilibria in Stochastic Resource Allocation Games
<b>16.10-16.30</b>	<b>Antonis Economou</b> The M/M/1 queue with strategic arrivals who are informed about other arrivals decisions: Performance evaluation using QBD processes, game-theoretic analysis and implications
<b>16.30-16.50</b>	<b>Malvina Vamvakari</b> On Multiparameter $q$ -Stirling Numbers

<b>Conference Hall</b> <b>17.00-18.00</b>	<b>Plenary session</b> <b>Chair: Apostolos Burnetas</b>
<b>17.00-17.30</b>	<b>Cristian Preda</b> Approximations for the distribution of scan statistics and applications
<b>17.30-18.00</b>	<b>Michael N. Katehakis</b> Uncertainty Quantification for Scalable Reinforcement Learning
<b>18.00-18.30</b>	<b>Coffee break</b>

<b>Conference Hall</b> <b>18.30-19.30</b>	<b>Plenary session</b> <b>Chair: Markos V. Koutras</b>
<b>18.30-19.00</b>	<b>Anant Godbole</b> Expected Number of Distinct Patterns in Random Permutations
<b>19.00-19.30</b>	<b>Joseph Glaz</b> A Multiple Testing Approach to Scan Statistics
<b>Conference Hall</b> <b>19.30</b>	<b>Closing session</b> <b>Chair: Alex Karagrigoriou</b>
	<b>Subhabrata Chakraborti</b> , Professor of Statistics at the University of Alabama Short Tribute Address to the Guest of Honour  <b>Athanasios Kyriazis</b> , Emeritus Professor of the University of Piraeus Short Tribute Address to the Guest of Honour  <b>Markos V. Koutras</b> , Guest of Honour Free-format talk