



# Program

## ISNPS 2026 – Session Schedule

Monday, June 22

**9:00 - 9:30 | Opening (Room: GARDEN HALL)**

**9:30 - 10:30 | Peter Hall Lecture (Chair: George Michailidis;  
Presenter: Jianqing Fan; Room: GARDEN HALL)**

**10:30 - 11:00 | Coffee Break**

**11:00 – 13:00 | Parallel Sessions I (9 Sessions)**

### **BAYESIAN**

#### **Bayesian nonparametrics methods and applications**

**Chair:** Sergios Agapiou & Maria Kalli

**Room:** GARDEN HALL

- Jim Griffin

- • debajyoti sinha
- • Beatrice Franzolini
- • Artiom Rumiancev

### TIME SERIES

## Time series analysis for modern data

**Chair:** Hanlin Shang

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**Room:** CELESTE

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- • Anna Bykhovskaya
- • Maximilian Ofner
- • Daniel Strenger-Galvis

### GENERATIVE AI

## Nonparametric Foundations of Generative AI

**Chair:** Bryon Aragam

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**Room:** GRACE A

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- • Minwoo Chae
- • Changxiao Cai
- • Bryon Aragam

### HIGH-DIMENSIONAL

## Structural inference in high-dimensional models

**Chair:** Eduard Belitser

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**Room:** GRACE B

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- Paulo Serra
- Farida Enikeeva
- Rui Castro
- Paul Rognon-Vael

### COPULAS

## Nonparametric Copula-Based Methods for Dependence Modeling

**Chair:** Taoufik Bouezmarni

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**Room:** GRACE C

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- Félix Camirand Lemyre
- Karim Oualkacha
- Bouchra Nasri
- Bruno Remillard

### EXTREMES

## Extremes, Statistical learning and Applications

**Chair:** John Einmahl

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**Room:** GRACE D

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- • Yi He
- • Pavlo Mozharovskyi
- • Simone Padoan
- • John Einmahl

### SESSION

## Non- and semiparametric methods for biomedical applications

**Chair:** Somnath Datta

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**Room:** IRIS

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- • Michael Daniels
- • Samuel Wu
- • Sanjib Basu
- • SOMNATH DATTA

### SEQUENTIAL METHODS

## Recent developments in online/sequential procedures

**Chair:** Moulinath Banerjee

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**Room:** ORION

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- • Ya'acov Ritov
- • Cun-Hui Zhang
- • Yuekai Sun

- George Michailidis

### CONTRIBUTED • TIME SERIES

## Contributed: Time Series, Spectra and Dynamic Dependence

Contributed session (5 talks)

**Chair:** Dimitris Kugiumtzis

**Room:** THETA

- **Ilaria Nadin** — Nonparametric two sample test of spectral densities
- **Carina Beering** — Empirical energy distance for locally stationary processes
- **Gabriel Martos** — Singular Spectrum Analysis Revisited: Frequency Recovery, Spectral Consistency, and Window...
- **Georgios Gkyzis** — Quantifying linear instantaneous Granger causality
- **Akylas Fotiadis** — Detection of Higher-Order Interactions in Complex Dynamical Systems

13:00 - 14:30 | Lunch

## 14:30 – 16:30 | Parallel Sessions II (9 Sessions)

### BAYESIAN

## Recent advances in Bayesian nonparametrics

**Chair:** Beatrice Franzolini

**Room:** GARDEN HALL

- • Valentina Ghidini
- • Jim Griffin
- • Sebastiano Bianchi
- • Ramses Mena

## NETWORKS

### Network and Tensor Time Series

**Chair:** Kostas Fokianos

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**Room:** CELESTE

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- • Mirko Armillotta
- • Andreas Anastasiou
- • matteo iacopini

## HIGH-DIMENSIONAL

### Structured High-Dimensional Inference

**Chair:** Olga Klopp

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**Room:** GRACE A

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- • Ilias Zadik
- • Juntong Chen
- • Jaouad Mourtada
- • Claire Boyer

**INFERENCE****New Frontiers in Inference for Complex Data****Chair:** Paromita Dubey

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**Room:** GRACE B

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- • Arun Kuchibhotla
- • Bilol Banerjee
- • Zijun Gao
- • Cody Carroll

**ECONOMETRICS****Specification Testing****Chair:** Miguel Delgado

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**Room:** GRACE C

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- • Juan Manuel Rodriguez-Poo
- • Yuhao Li
- • Juan Carlos Escanciano
- • Conde-Amboage

**COMPLEX SYSTEMS****Nonparametric Estimation for Complex Systems****Chair:** Natalia Markovich

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**Room:** GRACE D

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- • Evgeny Pchelintsev
- • Igor Rodionov
- • Liubov Markovich
- • Natalia Markovich

## GEOMETRY

### Statistics on Non-Euclidean spaces

**Chair:** Stephan Huckemann

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**Room:** IRIS

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- • Susovan PAL
- • Christoph von Tycowicz
- • Alfred Kume
- • Matthias Glock

## FUNCTIONAL DATA

### Recent Developments in Functional Methods

**Chair:** Michelle Carey

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**Room:** ORION

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- • Sophie Dabo
- • Aldo Clemente
- • Veronica Biancacci

- Marco Stefanucci

### CONTRIBUTED • FUNCTIONAL DATA

## Contributed: Functional Data, Density Regression and Dimension Reduction

Contributed session (5 talks)

**Chair:** Dimitris Ioannides

**Room:** THETA

- **Eliana Christou** — Sufficient Dimension Reduction for Conditional Quantiles for Functional Data
- **Tim Greger** — Nonparametric quantile regression in the fully functional model
- **Laura Freijeiro González** — A novel approach to covariate selection in the asynchronous functional concurrent model
- **Han Lin Shang** — Density-valued time series: Nonparametric density-on-density regression
- **Johannes Feeser** — Scalar-on-density regression with sparsely observed densities

**16:30 - 17:00 | ISNPS General Assembly (Room: GARDEN HALL)**

**17:30 - 19:00 | Welcome Reception (Room: Conference Venue)**

Tuesday, June 23

**8:30 – 10:30 | Parallel Sessions III (10 Sessions)**

**BAYESIAN****Modern nonparametric Bayesian statistics**

**Chair:** Jaeyong Lee

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**Room:** GARDEN HALL

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- Maria De Iorio
- Raffaele ARGIENTO
- Jaeyong Lee
- Seongil Jo

**TIME SERIES****High-dimensional Time Series**

**Chair:** Richard Davis & K. Fokianos

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**Room:** CELESTE

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- Tommaso Proietti
- Marie Corillon
- Chun Yip Yau
- Anass Y El Yaagoubi

**GENERATIVE AI****Generative Models in Distribution Estimation**

**Chair:** Lea Kunkel

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**Room:** GRACE A

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- • Niklas Dexheimer
- • Sophie Langer
- • Lea Kunkel
- • Lorenzo Tedesco

### **INFERENCE**

## **Recent advances in data beyond independence**

**Chair:** Sayar Karmakar

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**Room:** GRACE B

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- • Arkajyoti Saha
- • Tapabrata Maiti
- • Madhab Barman
- • Subhabrata majumdar

### **ECONOMETRICS**

## **Recent Advances in Financial Econometrics**

**Chair:** Juan Carlos Escanciano

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**Room:** GRACE C

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- • Timo Dimitriadis
- • Jordi Llorens-Terrazas
- • Hui-Ching Chuang

- Sander Barendse

### COMPLEX DATA

## Complex, partial or surrogate data in prediction

**Chair:** Yanyuan Ma

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**Room:** GRACE D

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- Ilias Willems
- Yair Goldberg
- Tanya Garcia
- Layla Parast

### MACHINE LEARNING

## Contributions to Understandable Machine Learning

**Chair:** Stefan Sperlich

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**Room:** IRIS

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- Johannes Lederer
- Katarzyna Reluga
- Nadja Klein
- stefan sperlich

### DEPENDENCE MODELING

## Recent advances on data with complex structure

**Chair:** George Michailidis

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**Room:** ORION

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- • Moulinath Banerjee
- • Housen Li
- • Samriddha Lahiry
- • S. Yaser Samadi

### NETWORKS

## Random networks, clustering and embeddings

**Chair:** Marianna Pensky

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**Room:** THETA

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- • Joshua Agterberg
- • Srijan Sengupta
- • Francesco Sanna Passino
- • Marianna Pensky

### CONTRIBUTED • DEPENDENCE

## Contributed: Spatial, Spatio-Temporal and Dependent Processes

Contributed session (5 talks)

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**Chair:** Georgios Gkyzis

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**Room:** ROOM 126

- • **Ana C Cebrian** — Spatio-temporal modeling for record-breaking events: An application to temperature daily se...
- • **Marco Francesco De Sanctis** — Modeling group heterogeneity in spatio-temporal data via physics-informed semiparametric re...
- • **Charbel Al Tannoury** — Record probabilities under dependence: operator-norm bounds and extremal control
- • **Antonio Fioravanti** — Nonparametric Covariance Estimation with Bias Correction for Spatial Lattice Processes
- • **Christian Wurtz** — Structural analysis in matrix-autoregressive models

**10:30 - 11:00 | Coffee Break**

**11:00 - 12:00 | Keynote Talk (Chair: Antonio Lijoi; Presenter: Daniela Witten; Room: GARDEN HALL)**

**12:00 - 13:30 | Lunch****13:30 – 15:30 | Parallel Sessions IV (11 Sessions)****NONPARAMETRIC****At the frontier of modern nonparametric statistics**

**Chair:** Michael Levine

**Room:** GARDEN HALL

- • Wen-Hung Wang
- • Yilei Zhang
- • Derek Young

- Michael Levine

### TIME SERIES

## Complex time series analysis

**Chair:** Qiwei Yao

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**Room:** CELESTE

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- Edward Eriksson
- Wenyang Zhang
- Ke Zhu
- QIWEI YAO

### LEARNING METHODS

## Kernel, Bandit, and Preference-Based Methods

**Chair:** Xiaowu Dai

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**Room:** GRACE A

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- Cong Ma
- Yuan Zhong
- Rong Ma

### EXTREMES

## Nonparametric methods for multivariate extremes

**Chair:** Raphael Huser

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**Room:** GRACE B

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- Ioannis Papastathopoulos
- Vicky Fasen-Hartmann
- Stefano Rizzelli
- Junshu Jiang

### **ECONOMETRICS**

#### **Topics in econometrics**

**Chair:** Pascal Lavergne

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**Room:** GRACE C

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- Bertille Antoine
- Andrii Babii
- Elia Lapenta
- Pascal Lavergne

### **RESAMPLING**

#### **Resampling method in non-standard frameworks**

**Chair:** Patrice Bertail

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**Room:** GRACE D

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- Anna Dudek
- Zuzanna Maciszewska

- • Kejin Wu
- • Ping Ma

### PRIVACY

## Privacy in Statistics : Recent advances

**Chair:** Tatyana Krivobokova

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**Room:** IRIS

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- • Marco Avella Medina
- • Lasse Vuursteen
- • Marco Mondelli
- • Karolina Klockmann

### SURVIVAL ANALYSIS

## Advances in Survival Analysis

**Chair:** Jacobo de Uña Álvarez

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**Room:** ORION

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- • Adrián Lago
- • Carolin Drenda
- • Yuxiang Zong
- • Rebecca Betensky

**HIGH-DIMENSIONAL****Topics on high-dimensional and complex data****Chair:** Eugen Pircalabelu

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**Room:** THETA

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- Ines Wilms
- Jing Zhou
- Sofia Guglielmini
- Andreas Artemiou

**CONTRIBUTED • TESTING****Contributed: Testing, Goodness-of-Fit and Distribution Theory**Contributed session (5 talks)

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**Chair:** Juan Carlos Escanciano

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**Room:** EPSILON

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- **Daniel Diz-Castro** — Goodness-of-fit tests for infinite-dimensional regression models: the kernel approach
- **Paschalis Mavridis** — Goodness-of-Fit testing for the hazard rate function
- **Alberto Fernández de Marcos** — Testing homogeneity across circular k-samples
- **Marcos Romero-Madroñal** — A test for the equality of a U-estimable parameter
- **James S. Allison** — Testing exponentiality for fixed and diverging number of populations

**CONTRIBUTED • ROBUSTNESS****Contributed: Quantiles, Ranks and Robust Inference**

Contributed session (4 talks)

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**Chair:** Georgios Gkyzis

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**Room:** ROOM 126

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- • **Leonardo Leone** — Massive parallelization of projection-based depths
- • **Tommaso Lando** — Nonparametric inference based on expected order statistics
- • **Zexin Pan** — Quasi-Monte Carlo confidence intervals using quantiles of randomized nets
- • **Martin Geroldinger** — A Unified Approach for Rank-Based Trend Inference with Missing Values

**15:30 - 16:00 | Coffee Break**

## **16:00 – 18:00 | Parallel Sessions V (11 Sessions)**

**SHAPE CONSTRAINTS****Shape Constrained Statistical Inference**

**Chair:** Geurt Jongbloed

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**Room:** GARDEN HALL

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- • Adityanand Guntuboyina
- • Tsz Pang Yuen
- • Lutz Duembgen

- Moumita Chakraborty

### UNCERTAINTY QUANT

## Uncertainty Quantification for Machine Learning

**Chair:** Likai Chen

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**Room:** CELESTE

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- Likai Chen
- B. Cooper Boniece
- Wanrong Zhu

### DOMAIN ADAPT

## Domain Adaptation & Semi-supervised Methods

**Chair:** Tanya P. Garcia

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**Room:** GRACE A

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- Yanyuan MA
- Mengyan Li
- Xavier de Luna
- Malka Gorfine

### INFERENCE

## Statistical inference for complex data structures

**Chair:** Karl Gregory

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**Room:** GRACE B

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- • Dan Nordman
- • Robert Lunde
- • Anirban Mandal
- • Soumendra Lahiri

### ESTIMATION

## Advances in nonparametric estimation

**Chair:** Alexander Goldenshluger

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**Room:** GRACE C

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- • Oleg Lepski
- • Yannick Baraud
- • Fadoua Balabdaoui
- • Anatoli Juditsky

### FUNCTIONAL DATA

## Topics in Time Series and Functional Data Analysis

**Chair:** Hernando Ombao

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**Room:** GRACE D

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- • Rainer von Sachs
- • Jean-Marc Freyermuth

- • Konstantinos Fokianos
- • Eugen Pircalabelu

### **MACHINE LEARNING**

## **Statistical machine learning for complex data**

**Chair:** Ines Wilms

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**Room:** IRIS

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- • Sumanta Basu
- • I Martinez Hernandez
- • Haozhe Jiang
- • Johannes Lederer

### **FUNCTIONAL DATA**

## **Advances in modeling random functions data**

**Chair:** Valentin Patilea

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**Room:** ORION

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- • Shunan Yao
- • Rintaro Ichiya
- • Hassan Maissoro
- • Lijia Wang

**NETWORKS****Statistical Learning in Network Models**

**Chair:** Somabha Mukherjee

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**Room:** THETA

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- • Zhou Fan
- • Olga Klopp
- • Siddharth Vishwanath
- • Bhaswar Bhattacharya

**COMPLEX DATA****Nonparametric Methods for Complex and Nonstationary Data**

**Chair:** Anna Ewa Dudek

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**Room:** EPSILON

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- • francois bertholom
- • Dumont Thierry
- • Łukasz Lenart
- • Łukasz Lenart

**COMPLEX DATA****Computer-intensive statistical inference for complex data**

**Chair:** Dimitris Ioannides

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**Room:** ROOM 126

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- Michael Scholz
- Wan Zhang
- Anand Deo
- Elen Vardanyan

**18:00 - 19:00 | Student Poster Session (includes drinks and snacks)**

Wednesday, June 24

**9:00 – 11:00 | Parallel Sessions VI (11 Sessions)**

**MODELING**

**Flexible and Nonparametric Methods in Modelling**

**Chair:** Kostas Kalogeropoulos

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**Room:** GARDEN HALL

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- Ioannis Kosmidis
- Camilo Cardenas-Hurtado
- Mona Azadkia
- Nikos Demiris

**INFERENCE****New Directions in Nonparametric Methods**

**Chair:** Hira Koul & Nilanjan Chakraborty

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**Room:** CELESTE

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- Jeffrey Racine
- Jesús Arroyo
- Michael Donath
- Sayan Chakraborty

**TIME SERIES****Non-parametric methods for complex Time Series**

**Chair:** Giovanni Motta

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**Room:** GRACE A

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- Michael Eichler
- Yan Liu
- Giovanni Motta
- Darlin Soto

**BIOMEDICAL****Leveraging AI for Problems in Public Health**

**Chair:** Ali Shojaie

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**Room:** GRACE B

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- • Gong Tang
- • Xiaowu Dai
- • Mladen Kolar
- • Eric Laber

### CAUSAL INFERENCE

## Randomization and Causation

**Chair:** Mats Stensrud

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**Room:** GRACE C

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- • Oliver Hines
- • Florian Stijven
- • David Benkeser
- • Xinran Li

### MEMORIAL

## In memory of Professor Alain Berlinet

**Chair:** Eric Matzner-Lober

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**Room:** GRACE D

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- • Pierre-André Cornillon
- • Christian Francq
- • Sylvain Sardy

**RANKING****Recent Advances in Statistical Ranking****Chair:** Junhui Wang

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**Room:** IRIS

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- • Yunxiao Chen
- • Yuanhang Luo
- • Weichen Wang
- • Lingfeng Lyu

**FDR****Novel False Discovery Rate Methodology****Chair:** Yoav Benjamini

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**Room:** ORION

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- • William Fithian
- • Zijun Gao
- • ruth heller
- • Yuval Benjamini

**NONPARAMETRIC****Nonparametrics****Chair:** Antonio Lijoi

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**Room: THETA**

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- Federica Stolf
- Ivan Golovko
- Lorenzo Ghilotti
- Nicola Bariletto

**CONTRIBUTED • SURVIVAL****Contributed: Survival, Censoring and Event-Time Modeling**

Contributed session (5 talks)

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**Chair:** Stavros Ioannidis

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**Room:** EPSILON

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- **Ömer Sercik** — Nonparametric Estimation of the Cross Ratio Function under Right Censoring
- **Fatemeh Mahmoudi** — Penalized Variable Selection with Broken Adaptive Ridge Regression for Semi- competing Risk...
- **Vlad Stefan Barbu** — Kernel estimators of the reliability/survival function and related indicators for semi-Mark...
- **Dragi Anevski** — Order restricted estimation of the parameter functions in an additive hasard model

**CONTRIBUTED • HIGH-DIM****Contributed: High-Dimensional Learning, Neural Methods and Modern Computation**

Contributed session (3 talks)

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**Chair:** Akylas Fotiadis

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**Room: ROOM 126**

- **Jan Kalina** — From robust neural networks toward robust nonlinear quantile estimation
- **Eleni Papadopoulou** — A comparative study of Reservoir Computing and LSTM neural network for trajectory reconstru...
- **Gil Kur** — Minimum Norm Interpolation via The Local Theory of Banach Spaces: The Role of  $\mathcal{L}_\infty$ -Uniform C...

**11:00 - 11:30 | Coffee Break**

**11:30 - 12:30 | Keynote Talk (Chair: Jeff Racine; Presenter: Xuming He; Room: GARDEN HALL)**

**12:30 - 14:00 | Lunch**

**14:00 - 19:00 | Free Time / Optional Excursion: Vergina - The Royal Tombs**

Thursday, June 25

## **8:30 – 10:30 | Parallel Sessions VII (10 Sessions)**

### **HYPOTHESIS TESTING**

#### **Hypothesis testing and related topics**

**Chair:** Anne Leucht

**Room:** GARDEN HALL

- **Melanie Birke**

- • Marius Kroll
- • Bojana Milošević
- • Leonie Selk

### CAUSAL INFERENCE

## Temporal Modeling and Causal Inference

**Chair:** Mladen Kolar

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**Room:** CELESTE

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- • Mengyi Gong
- • Souhaib Ben Taieb
- • Niels Richard Hansen
- • Waverly Wei

### SURVIVAL ANALYSIS

## Recent advances in survival analysis

**Chair:** Ingrid Van Keilegom

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**Room:** GRACE A

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- • Donglin Zeng
- • Juan Carlos Escanciano
- • Myrthe D'Haen
- • Yael Travis-Lumer

**TIME SERIES****Time series analysis, modelling and applications****Chair:** Tommaso Proietti

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**Room:** GRACE B

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- • Yufei Li
- • Andrew Harvey
- • Alessandro Giovannelli
- • Philipp Sibbertsen

**GEOMETRY****At the intersection between geometry and statistics****Chair:** Florence Nicol

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**Room:** GRACE C

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- • GABRIELE NOVELLI
- • Monsan
- • Florence Nicol
- • Gabriel Romon

**FUNCTIONAL DATA****Modeling complex functional data****Chair:** Michelle Carey

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**Room:** GRACE D

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- Uche Mbaka
- Lisa Steyer
- Ilenia Di Battista
- Alessia Pini

### RESAMPLING

## Resampling for Complex Data Problems

**Chair:** Daniel Nordman

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**Room:** IRIS

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- Karl Gregory
- Ulrike Genschel
- Chae Young Lim
- Haihan Yu

### NONPARAMETRIC TESTING

## Estimators and tests for nonparametric models

**Chair:** Ursula Müller

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**Room:** ORION

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- Sami Umut Can
- Natalie Neumeyer
- Anton Schick

- • Natalia Stepanova

### TRANSFER LEARNING

## Transfer Learning in Statistics

**Chair:** Byeong U. Park

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**Room:** THETA

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- • Fan Wang
- • Seung Hyun Moon
- • Doudou Zhou
- • Eun Ryung Lee

### CONTRIBUTED • GEOMETRY

## Contributed: Geometry, Manifolds and Object Data

Contributed session (4 talks)

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**Chair:** Lefteris Aggelis

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**Room:** EPSILON

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- • **Héctor González-Vázquez** — A minimax manifold estimator for hypersurfaces
- • **Claudio Durastanti** — Adaptive thresholding for heteroskedastic variance estimation on the sphere
- • **Vida Zamanifarizhandi** — Metric Skewness for Object Data
- • **Daniel Hlubinka** — {Multivariate Quantile-Based Permutation Tests with Application to Functional Data

**10:30 - 11:00 | Coffee Break**

**11:00 - 12:00 | Keynote Talk (Chair: Juan Carlos Escanciano;  
Presenter: Ingrid Van Keilegom; Room: GARDEN HALL)**

**12:00 - 13:30 | Lunch**

## **13:30 – 15:30 | Parallel Sessions VIII (11 Sessions)**

### **PARTITIONING**

#### **Partitioning Methods**

**Chair:** Vadim Marmar

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**Room:** GARDEN HALL

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- • Matias Cattaneo
- • Ben Deaner
- • Da (Natasha) Kang
- • Mahdi Ebrahimi Kahou

### **LEARNING**

#### **Learning in complex data settings**

**Chair:** Regina Liu

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**Room:** CELESTE

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- • Subha Maity
- • Matteo Bonvini
- • Wenceslao González Manteiga

- • Marianthi Markatou

## BIOMETRIKA

### Biometrika session

**Chair:** Omiros Papaspiliopoulos

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**Room:** GRACE A

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- • Anirban Chatterjee
- • Alessandra Guglielmi
- • Nikolaos Ignatiadis
- • Kangjie Zhou

## TBA

### ISNPS Student Paper Competition

**Chair:** George Michailidis

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**Room:** GRACE B

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- • Ivan Golovko
- • Alberto Bordino
- • Ziang Niu

**NETWORK INFERENCE****New nonparametric inference & modeling on network data**

**Chair:** Wen Zhou

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**Room:** GRACE C

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- Rong Chen
- Fan Yang
- Ji Zhu

**NONPARAMETRIC LEARNING****Frontiers in Nonparametric Learning: From Classical Regression to Complex High-Dimensional Models**

**Chair:** Yuedong Wang

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**Room:** GRACE D

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- Yuedong Wang
- Guo Yu
- Kevin Wang
- Tiejun Tong

**ECONOMETRICS****Topics in Econometrics I**

**Chair:** Jeffrey S. Racine

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**Room: IRIS**

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- • Laura Liu
- • Eric Mbakop
- • Artem Prokhorov
- • Shakeeb Khan

**ROBUST STATISTICS****Modern Methods and Applications in Robust Nonparametric Statistics****Chair:** Yiyuan She

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**Room: ORION**

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- • Jiahua Chen
- • Peter Rousseeuw
- • Jiashun Jin
- • Yiyuan She

**NETWORKS****Recent Advances in Statistical Analysis for Graphs and Networks****Chair:** Anderson Ye Zhang

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**Room: THETA**

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- • Weijing Tang
- • Rui Duan

- • Yizhe Zhu
- • Cheng Mao

### COMPLEX DATA

## Computer-intensive statistical inference for complex data

**Chair:** Dimitris Politis

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**Room:** EPSILON

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- • Patrice Bertail
- • Carsten Jentsch
- • Yunyi Zhang
- • Daren Wang

### CONTRIBUTED • STRUCTURED DATA

## Contributed: Structured Data, Ranking and Classification

Contributed session (5 talks)

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**Chair:** Eric Matzner-Lober

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**Room:** ROOM 126

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- • **Edward David Roth** — Debiased Ill-Posed Functional Operator Estimation
- • **Daniel Peer** — On the Edgeworth expansion of the maxima and the blessings of dimensionality
- • **Bernardo Nipoti** — Partition-based discriminant analysis

15:30 - 16:00 | Coffee Break

## 16:00 – 18:00 | Parallel Sessions IX (11 Sessions)

### MISSING DATA

#### Recent developments in missing data and causal inference

**Chair:** Ronghui Lily Xu

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**Room:** GARDEN HALL

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- Yanqing Sun
- Ignacio Gonzalez Perez
- Máté Kormos
- Jose Zubizarreta

### TESTING

#### Goodness-of-fit and specification tests

**Chair:** Natalie Neumeyer

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**Room:** CELESTE

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- Lujia Bai
- Amparo Baíllo
- Bruno Ebner
- Šárka Hudecová

**CAUSAL INFERENCE****Topics in Causal Inference****Chair:** Daniel Nevo

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**Room:** GRACE A

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- Laura Forastiere
- Panos Toulis
- Alessio Frosini
- Valentyn Melnychuk

**COMPLEX DATA****Complex data and depth****Chair:** Alicia Nieto-Reyes

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**Room:** GRACE B

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- José E. Chacón
- Javier Cárcamo
- Alicia Nieto-Reyes
- Luis González-De La Fuente

**TIME SERIES****Recent Advances of Time Series Analysis****Chair:** Jens-Peter Kreiss

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**Room:** GRACE C

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- • Georg Köstenberger
- • Sebastian Kühnert
- • Daniel Rademacher
- • Almond Stoecker

## NETWORKS

### Modern Network Analysis I

**Chair:** Zack Lubberts & Avanti Athreya

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**Room:** GRACE D

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- • Sofia Olhede
- • Avanti Athreya
- • Jingming Wang
- • Ian Gallagher

## GAUSSIAN PROC

### Theory & Computation for Gaussian processes

**Chair:** Cheng Li

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**Room:** IRIS

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- • Thibault Randrianarisoa
- • Bernhard Stankewitz

- • Randolph Altmeyer

### **MULTIPLE TESTING**

## **Dependent p-values, exchangeability, and causal coupling**

**Chair:** Stilian Stoev

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**Room:** ORION

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- • Jingshu Wang
- • Matteo Gasparin
- • Richard Guo
- • Parijat Chakraborty

### **PRIVACY**

## **Recent developments in differential privacy**

**Chair:** Yi Yu

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**Room:** THETA

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- • Matthew Regehr
- • Clément Canonne
- • Tom Berrett

**OBJECT DATA****Advances in Object Data Analysis I****Chair:** Vic Patrangenaru**Room:** EPSILON

- • stephan huckemann
- • Mihaela Pricop-Jeckstadt
- • Benjamin Beaudett

**CONTRIBUTED • ESTIMATION****Contributed: Estimation, Semiparametrics and Prediction**

Contributed session (4 talks)

**Chair:** Jeffrey S. Racine**Room:** ROOM 126

- • **Genaro Sucarrat** — Prediction of Non-Negative Variables under Misspecification and Nonstationarity
- • **Maarten Jung** — Semi-structured Additive Density Regression
- • **Laura Craig** — Generalised Exponential Kernels for Nonparametric Density Estimation
- • **Maryam Garba** — Nonparametric estimation of evolutionary distances from incomplete genomic data
- • **Ziang Niu** — Robustifying the conditional independence testing via marginal permutation

**18:30 - 22:00 | Conference Dinner**

Friday, June 26

## 9:00 – 11:00 | Parallel Sessions X (9 Sessions)

### COMPLEX DATA

#### Nonparametric Statistics on Complex Data

**Chair:** Sophie Dabo-Niang

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**Room:** GARDEN HALL

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- CECILE DUROT
- Yasser Abbas
- Facundo Argañaraz
- Carlos Martins-Filho

### TOPOLOGY

#### Topological and geometric data analysis

**Chair:** Johannes Krebs

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**Room:** CELESTE

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- Anne van Delft
- Christian Hirsch
- Benjamin Roycraft
- Uzu Lim

**NETWORKS****Modern Network Analysis II****Chair:** Avanti Athreya

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**Room:** GRACE A

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- • Supriya Tiwari
- • Alexander Modell
- • Yinqiu He
- • Zachary Lubberts

**OBJECT DATA****Advances in Object Data Analysis II****Chair:** Vic Patrangenaru

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**Room:** GRACE B

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- • Aaid Algahtani
- • Igor Podlubny
- • Vic Patrangenaru

**DEPENDENT DATA****Nonparametric Methods for Dependent Data****Chair:** Anton Schick

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**Room:** GRACE C

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- • Souvick Bera

- • Ursula U. Müller
- • Yurou Liang
- • Suhasini Subbarao

### **DIRECTIONAL STATS**

## **Advances in Directional Statistics**

**Chair:** Thomas Verdebout

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**Room:** GRACE D

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- • Diego Bolón
- • Jose Ameijeiras-Alonso
- • Maria Alonso-Pena
- • Andrea Meilán-Vila

### **TRANSPORT**

## **Optimal Transport and Statistical Inference**

**Chair:** Efstathia Bura

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**Room:** IRIS

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- • Esteban Tabak
- • Alberto González Sanz
- • Mariela Sued
- • Kaiqiang Zeng

**CONTRIBUTED • APPLIED METHODS****Contributed: Applied Nonparametric Methods in Risk, Dependence and Decision**

Contributed session (5 talks)

**Chair:** Dimitrios Karli

**Room:** ORION

- • **Max Welz** — Robust estimation and inference for categorical data
- • **Ewa Strzalkowska-Kominiak** — Conditional copula estimation under two consecutive censored gap times
- • **Vadim Marmar** — Policy Learning with Compliance Guarantee
- • **Jone Ascorbebeitia** — Nonparametric Tail-Risk Connectedness in Eurozone Energy-Related industries
- • **Dimitrios Karlis** — Random Coefficient extensions for integer autoregressive models: a non-parametric approach

**CONTRIBUTED • FOUNDATIONS****Contributed: Goodness-of-Fit, Smoothing and Methodological Foundations**

Contributed session (5 talks)

**Chair:** Eleni Papadopoulou

**Room:** THETA

- • **Dario Kieffer** — The Weak-Feature-Impact Phase Transition of the NPMLE in Monotone Binary Regression
- • **Emmanuelle Gautherat** — Pinelis' Inequality for Weighted Sums of Random Vectors: Statistical Motivations, Proof Arg...
- • **Diego Serrano** — Goodness-of-fit on metric spaces using distance profiles

- • **Hanna Jankowski** — Robust smoothing splines in the presence of discontinuities
- • **Rui Costa-Miranda** — Neyman-orthogonal goodness-of-fit tests for generalized partially linear models

**11:00 - 11:30 | Coffee Break**

**11:30 - 12:30 | Keynote Talk (Chair: Dimitris Kugiumtzis;  
Presenter: Dimitris Politis; Room: GARDEN HALL)**

**12:30 - 13:00 | Closing**

## SOCIAL MEDIA

Follow us on Social Media for live updates and community engagement:



## ACADEMIC MATTERS

Kindly direct inquiries to the following:



## LOCAL ARRANGEMENTS

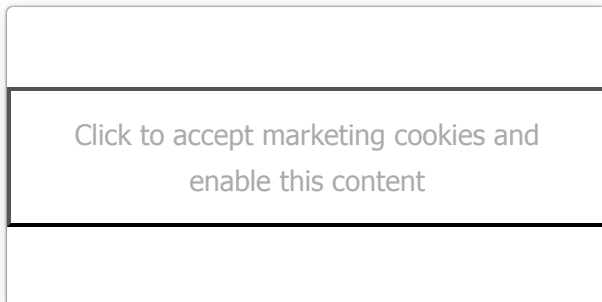
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Tel : (+357) 22 591 900

## VENUE

Grand Hotel Palace  
Thessaloniki, Greece



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