

**ICSTA 2024**  
**Aug 19-21, 2024 Barcelona Spain**

**Day 1**  
**Tuesday Aug 20**

8:00-9:00	Registration	
9:00-9:15	Opening remark - Dr. Noelle Samia & Dr. Dirk Husmeier	
9:15-10:00	<p>keynote speaker: <a href="#">Dr. Min-ge Xie Rutgers University, USA</a></p> <p>Title: <a href="#">Repro Samples Method for Addressing Irregular Inference Problems and for Unraveling Machine Learning Blackboxes</a></p>	
10:00-11:00	<b>Computational statistics</b> <b>Session Chair: Dr. Noelle Samia</b>	
Time	Title	Author
10:00-10:15	Physics-informed deep learning based on the finite difference method for efficient and accurate numerical solution of partial differential equations (ID 143)	Jiaming Zhang
10:15-10:30	The Statistical Assessment of Variables Affecting Conservation Condition for Historic Houses (ID 160)	Hatice Ayşegül Demir
10:30-10:45	On Modelling Joint Density Functions via Copulas (ID 148)	Serge Provost
10:45-11:00	Study over some approaches in formulating optimal designs (ID 155)	Akram Mahmoudi
11:00-11:20	Coffee Break	

**Day 2**  
**Wednesday Aug 21**

9:00-9:45	<p>Keynote Speaker: <a href="#">Dr. Christopher Franck Virginia Tech, USA</a></p> <p>Title: <a href="#">The Responsible Emboldening Of Probability Forecasts</a></p>	
9:45-10:45	<b>Applied Statistics IV</b> <b>Session Chair: Dr. Dirk Husmeier</b>	
Time	Title	Author
9:45-10:00	Cluster-based customer satisfaction analysis (ID 142)	Elena Barzizza
10:00-10:15	Impact of Heating System Conversion on Peak Electricity Demand (ID 159)	Sy Keprissié John Asaph Sanogo
10:15-10:30	TO DEVELOP THE TEST TO EVALUATE THE MULTIVARIATE DISTRIBUTIONS THAT ARE PART OF THE NORMAL INVERSE GAUSSIAN CLASS IN TERMS OF FIT QUALITY (ID 156)	Mehmet Siddik Cadirci
10:45-11:10	Coffee Break and Poster Session	

Applied Statistics III Session Chair: Dr. Dirk Husmeier		
Time	Title	Author
11:20-11:35	Refining the Intervention Effects for Mathematically Promising Students: Propensity Score Matching in Multisite Cluster Randomized Research (ID 115)	Hye Jin Park and Seongah Im
11:35-11:50	A novel particle picking pipeline for cryo-EM using semantic segmentation and conditional random field (ID 135)	Szu-Chi Chung
11:50-12:05	PCallenges in High Dimensional Change Point Analysis and Advanced Approaches (ID 121)	Shrog Albalawi
12:05-12:20	Exploring the Time Dynamics of Fire Sequences: A Case Study in the Basilicata Region (Southern Italy) (ID 109)	Luciano Telesca
12:20-12:35	Power BI Plots for Skewness and CV of Small Samples (ID 127)	Li-Fei Huang
12:35-12:50	Enhancing Security in Remote Laboratory Environments: A Layered Approach (ID 164)	Ali Al Maqousi
12:50-12:55	Group Photo	
12:55-1:40	Lunch	

Applied Statistics V Session Chair: Dr. Noelle Samia		
Time	Title	Author
11:10-11:25	Bayesian inference, emulation and deep learning in cardiac mechanics (ID 154)	Dirk Husmeier
11:25-11:40	An Analytical Expression For The Quotient Of Odds Ratio With Applications To Cardiovascular Disease Risk (ID 129)	Golnaz Shahtahmassebi
11:40-11:55	Tricube exponential distribution (ID 169)	Shawkat Alkhazaleh
11:55-12:10	Enhancing Gene Expression Data Analysis through SVM-Based Recursive Cluster Elimination and Weighted Center Approaches (ID 144)	Malik Yousef
12:10-12:55	<p><b>Keynote Speaker: Dr. Marco Grzegorzczak University of Groningen, Netherland</b></p> <p><b>Title: The Flexibility of Gaussian Bayesian Networks</b></p>	
12:55-1:40	Lunch	