

25 APRIL 2025 FRIDAY

BERLIN MEETING ROOM

Welcome Speech : Prof. Dr. Ismihan BAYRAMOGLU, Izmir University of Economics
09:00 – 09:10 Conference Chair

#1 Keynote Speech : Prof. Dr. Barry C. Arnold, University of California, Riverside, USA
09:10 – 09:50 : Speech Title: Conditionally Specified Bivariate Models: Old and New

SET UP BREAK 09:50 – 10:00

SESSION A (10:00 – 11:20)

SESSION CHAIR: Prof. Dr. Aysen D. AKKAYA

BERLIN MEETING ROOM

10:00 – 10:20

PAPER TITLE : Random Effect Functional Cox Regression Model

AUTHOR(S) : **Deniz INAN**, Ufuk BEYAZTAS, Carmen D. TEKWE, Xiwei CHEN, Roger S. ZOH

10:20 – 10:40

PAPER TITLE : A Deep Learning Approach to Spatial Functional Regression with Mixed Covariates

AUTHOR(S) : Merve BASARAN, **Ufuk BEYAZTAS**

10:40 – 11:00

PAPER TITLE : Forecasting the Process of Screened/Randomized Patients and Optimal Early Stopping Time in Multicentre Clinical Trials

AUTHOR(S) : **Volodymyr ANISIMOV**

11:00 – 11:20

PAPER TITLE : Robust Inference for a Fat-Tailed Skew Distribution

AUTHOR(S) : **Aysen D. AKKAYA**, M. Qamarul ISLAM

TEA & COFFEE BREAK 11:20 – 11:40

SESSION B (11:40 – 12:40)

SESSION CHAIR: Prof. Dr. Deniz INAN

BERLIN MEETING ROOM

11:40 – 12:00

PAPER TITLE : Enhanced Robust and Efficient Estimation Methods for Panel Data Regression with Random Effects

AUTHOR(S) : **Beste Hamiye BEYAZTAS**, Abhijit MANDAL, Soutir BANDYOPADHYAY

12:00 – 12:20

PAPER TITLE : Spatial Autoregressive Quantile Regression for Scalar-on-Function Mode

AUTHOR(S) : **Müge MUTİŞ**, Ufuk BEYAZTAŞ, Filiz KARAMAN, Han Lin SHANG

12:20 – 12:40

PAPER TITLE : Reliability of Complex Systems Consisting of Two Types of Mixed Components

AUTHOR(S) : **Hümay Zehra ÖZER**, İsmihan BAYRAMOĞLU

12:40 – 13:00

PAPER TITLE : The Reliability of the Complex System Having Active and Redundant Components

AUTHOR(S) : Konul BAYRAMOĞLU KAVLAK

LUNCH BREAK 13:00 – 13:40

#2 Keynote Speech

: Prof. Dr. Umberto Cherubini University of Bologna, ITALY

13:40 – 14:10

: Betting Around the Clock: Long-Term Investment with Time Change

14:20 *Departure from Conference Venue for Florence Tour and Conference Dinner*

23:30 *Back to Hotel After Conference Dinner & Tour*

26 APRIL 2025 SATURDAY

BERLIN MEETING ROOM

SESSION C (09:00 – 10:20)

SESSION CHAIR: Prof. Dr. Michail D. TODOROV

BERLIN MEETING ROOM

09:00 – 09:20

PAPER TITLE : ML-Based Mathematical Model for Agricultural Yield Prediction

AUTHOR(S) : **Elmas Burcu MAMAK EKİNCİ**, Mükerrerem Bahar BAŞKIR

09:20 – 09:40

PAPER TITLE : A Multicriteria Optimization Approach for Investment Project Financing

AUTHOR(S) : Borislav CHAKAROV, **Meglana LAZAROVA**, Ivan GEORGIEV, Slavi GEORGIEV

09:40 – 10:00

PAPER TITLE : Multi-Level Thresholding Image Segmentation Using Metaheuristic Algorithm

AUTHOR(S) : Eda ÖZKUL, **Muharrem KORKMAZ**

10:00 – 10:20

PAPER TITLE : The Role of Banking Heterogeneity in the Relationship Between Financial Development and Entrepreneurship

AUTHOR(S) : Cristian BARRA, **Christian D'ANIELLO**

TEA & COFFEE BREAK 10:20 – 10:40

#3 Keynote Speech

10:40 – 11:10

: Prof. Dr. Jorge NAVARRO, University of Murcia, SPAIN

: Stochastic Properties of Sums of Dependent Random Variables (Risks)

SET UP BREAK 11:10 – 11:20

SESSION D (11:20 – 12:40)

SESSION CHAIR: Dr. Volodymyr ANISIMOV

BERLIN MEETING ROOM

11:20 – 11:40

PAPER TITLE : A Note on a Class of Estimates for the Regression Function

AUTHOR(S) : Mounir ARFI

11:40 – 12:00

PAPER TITLE : Use of Linear Dynamic Models for Time Series Prediction

AUTHOR(S) : Lubos MAREK, Richard HINDLS, **Stanislava HRONOVA**

12:00 – 12:20

PAPER TITLE : A Skew Marshall-Olkin Distribution

AUTHOR(S) : Leda Minkova

12:20 – 12:40

PAPER TITLE : A Fuzzy C-Means Image Segmentation Algorithm Using Metaheuristics

AUTHOR(S) : Özge TEZEL, **Onur OKUYUCU**

LUNCH BREAK 12:40 – 13:20

#4 Keynote Speech

13:20 – 13:50

: Anna Dembińska, Warsaw University of Technology, POLAND
: Predicting Missing Data Using Inactivity Times of Components
Upon System Failure

BREAK 13:50 – 14:00

SESSION E (14:00 – 15:40)

SESSION CHAIR: Prof. Dr Leda MINKOVA

BERLIN MEETING ROOM

14:00 – 14:20

PAPER TITLE : Using HMD Methods Protocol to Estimate Turkish Population at the Advanced Ages

AUTHOR(S) : **Özer BAKAR**, Murat BÜYÜKYAZICI, İsmet KOÇ

14:20 – 14:40

PAPER TITLE : On a Splitting Method for Solving the Nonlinear Schrödinger Equation and Its Generalization to the Manakov System

AUTHOR(S) : **Michail TODOROV**, Meglena LAZAROVA,

14:40 – 15:00

PAPER TITLE : Evaluation of Provinces According to Losses in Businesses After February 6 Earthquakes Using Multi-Criteria Decision-Making Methods

AUTHOR(S) : Pelin TOKTAŞ

15:00 – 15:20

PAPER TITLE : Development of a Deep Learning-Based Hybrid Model for Diagnosing Lung Cancer Using CT Scan Images

AUTHOR(S) : **Yasemin GÜNTER** , Ayşenur ÖZTÜRK, Fatma NOYAN TEKELİ

15:20 – 15:40

PAPER TITLE : Airport Customer Segment Ranking: Hybrid TOPSIS Approach

AUTHOR(S) : Beyza AHLATÇIOĞLU ÖZKÖK, Serhan KARADENİZ, **Sezin ÖZTÜRK**

TEA & COFFEE BREAK 15:40 – 16:00

SESSION F (16:00 – 17:00)

SESSION CHAIR: Prof. Dr. Ismihan BAYRAMOGLU

BERLIN MEETING ROOM

16:00 – 16:20

PAPER TITLE : Smart Classrooms of the Future: AI-Driven Support for Teachers and Students

AUTHOR(S) : **Laura PAGANI**, Paolo GEMELLI

16:20 – 16:30 (POSTER PRESENTATION)

PAPER TITLE : Simulation Framework for Real-Time Management and Control of Manufacturing Systems

AUTHOR(S) : **Iwona LAPUNKA**, Piotr WITTBRODT

16:30 – 16:40 (POSTER PRESENTATION)

PAPER TITLE : Modelling Discrete Manufacturing Processes in Computer Simulations – Selected Aspects

AUTHOR(S) : **Piotr WITTBRODT**, Iwona LAPUNKA

16:40 – 17:00 (CLOSING SPEECH)

: Prof. Dr. Ismihan BAYRAMOGLU, Izmir University of Economics

: Conference Chair

END OF CONFERENCE