

ICAS CONFERENCE

INTERNATIONAL CONFERENCE ON ADVANCES IN STATISTICS

CONFERENCE VENUE: TEMBO HOTEL BARCELONA

10 April 2026 Friday

Welcome Speech (09:45 - 10:00)

Prof. Dr. Ismihan BAYRAMOGLU, Izmir University of Economics
Conference Chair

KEYNOTE SPEECH #1 (10:00 – 10:40)

Prof. Dr Maria LONGOBARDI

**Speech Title: ON A UNIFIED VERSION OF EXTROPY AND ITS WEIGHTED
DEFINITIONS**

TEA & COFFEE BREAK 10:40 – 11:00

SESSION A (11:00 – 12:40)

SESSION CHAIR: Prof. Dr Maria LONGOBARDI

11:00 – 11:20

PAPER TITLE : ON THE NUMBERS OF COMPONENTS IN EACH STATE IN MULTI-STATE
DISCRETE K-OUT-OF-N SYSTEMS

AUTHOR(S) : Jakub SADOWY

11:20 – 11:40

PAPER TITLE : FINITE-STEP BOUNDS FOR ITERATED CORRELATION DYNAMICS

AUTHOR(S) : Ishrak ALHAJJ HASSAN

11:40 – 12:00

PAPER TITLE : A NOVEL IMPUTATION-BASED APPROACH FOR SYNTHETIC MINORITY
OVERSAMPLING IN IMBALANCED CLASSIFICATION

AUTHOR(S) : Pornthera AIMROD, Anamai NA-UDOM, Jaratsri RUNGRATTANAUBOL

12:00 – 12:20

PAPER TITLE : MODELING OCCUPATIONAL ACCIDENT FREQUENCIES IN AN INDUSTRIAL
SECTOR USING NEGATIVE BINOMIAL REGRESSION MODEL

AUTHOR(S) : Pelin TOKTAŞ

12:20 – 12:40 : QUESTIONS & CERTIFICATE AWARDING

LUNCH BREAK 12:40 – 13:40

SESSION B (13:40 – 15:20)

SESSION CHAIR: Prof. Dr. Yeliz MERT KANTAR

13:40 – 14:00

PAPER TITLE : ROBUST PARAMETER ESTIMATION APPROACH FOR UNIVERSAL KRIGING UNDER CONTAMINATED SPATIAL DATA

AUTHOR(S) : Vural YILDIRIM, Ezio TODINI, **Yeliz MERT KANTAR**

14:00 – 14:20

PAPER TITLE : A MULTI-LAYER STATISTICAL FRAMEWORK FOR INTEGRATED AND INTERPRETABLE STRUCTURES IN LARGE-SCALE TEXTUAL CORPORA, WITH APPLICATION TO PERMACULTURE DISCOURSE

AUTHOR(S) : **Alessandra MERIANI**, Ida D'ATTOMA

14:20 – 14:40

PAPER TITLE : MULTI-STEP TEMPERATURE FORECASTING WITH AN ATTENTION-BASED GATED RECURRENT UNIT MODEL

AUTHOR(S) : **Vildan KARA**, Gülesen ÜSTÜNDAĞ ŞIRAY

14:40 – 15:00

PAPER TITLE : IMPACT OF IMPUTATION ON LOGISTIC CLASSIFICATION WITH MCAR AND MAR MISSING DATA IN CARDIOVASCULAR DATASET

AUTHOR(S) : **Ratchaneewan PAISANWARAKIAT**, Anamai NA-UDOM, Jaratsri RUNGRATTANAUBOL

15:00 – 15:20 : QUESTIONS & CERTIFICATE AWARDING

TEA & COFFEE BREAK 15:20 – 16:00

SESSION C (16:00 – 17:10)

SESSION CHAIR: Prof. Dr. Dora PRATA GOMES

16:00 – 16:20

PAPER TITLE : COMPUTATIONAL PROCEDURES FOR THE ESTIMATION OF THE EXTREMAL INDEX

AUTHOR(S) : **Dora PRATA GOMES**, M. Manuela NEVES

16:20 – 16:40

PAPER TITLE : REVISITING THE EXTREME VALUE INDEX: THE PROBABILITY WEIGHTED MOMENTS FRAMEWORK FOR HEAVY-TAILED DISTRIBUTIONS

AUTHOR(S) : **Ayana MATEUS**, Frederico CAEIRO

16:40 – 17:00

PAPER TITLE : A REFINED BIAS-CORRECTED ESTIMATOR FOR THE SHAPE PARAMETER OF THE LOG-LOGISTIC MODEL

AUTHOR(S) : **Frederico CAEIRO**, Ayana MATEUS

17:00 – 17:10 : QUESTIONS & CERTIFICATE AWARDING

KEYNOTE SPEECH #2 (17:20 – 18:00)

Prof. Dr. Ömer ÖZTÜRK

Speech Title: MIXED-MODEL INFERENCE FOR PAIRWISE TREATMENT CONTRASTS WITH JUDGEMENT COVARIATES IN RANDOMIZED BLOCK DESIGNS

SOCIAL PROGRAM

HOTEL DEPARTURE 19:00

Will be organised as part of conference dinner program.

Please have your tickets with you

Name of the Restaurant : The Tablao de Carmen
Address : Porta d'Àvila-Poble Espanyol, Av. de Francesc Ferrer i Guàrdia, 13, Sants-Montjuïc, 08038 Barcelona
Dress Code : Smart Casual (no shorts or slippers)

11 April 2026 Saturday

KEYNOTE SPEECH #3 (10:15 – 11:00)

Prof. Dr Serkan ERYILMAZ

Speech Title: NALOGIES BETWEEN ENGINEERING AND BIOLOGICAL SYSTEMS BASED ON RELIABILITY CONCEPTS AND MODELS

TEA & COFFEE BREAK 11:00 – 11:20

SESSION D (11:20 – 12:40)

SESSION CHAIR: Prof. Dr. Semra GÜNAY

11:20 – 11:40

PAPER TITLE : EFFICIENCY ANALYSIS OF TURKISH AIRPORTS: A STOCHASTIC FRONTIER ANALYSIS APPROACH

AUTHOR(S) : Erdem Korhan AKÇAY, Yeliz MERT KANTAR

11:40 – 12:00

PAPER TITLE : IMAGINATIVE GEOGRAPHIES OF SUSTAINABILITY: A STRUCTURAL EQUATION MODELING ANALYSIS OF THE ROLE OF SOCIAL MEDIA AND ATTITUDES IN GENERATION Z'S DESTINATION IMAGINATIONS

AUTHOR(S) : Serkan OLGAC, Semra GÜNAY, Almira SEISINBINOVA

12:00 – 12:20

PAPER TITLE : ROBUST DENSITY POWER DIVERGENCE BASED BAYESIAN ANALYSIS OF NON-DESTRUCTIVE ONE-SHOT DEVICE TESTING DATA

AUTHOR(S) : Shuvashree MONDAL

12:20 – 12:40 : QUESTIONS & CERTIFICATE AWARDING

LUNCH BREAK 12:40 – 13:40

SESSION E (13:40 – 14:50)

SESSION CHAIR: Prof. Dr. İsmihan BAYRAMOĞLU

13:40 – 14:00

PAPER TITLE : WEIGHTED NON-STOCHASTIC FORECASTING RANGE OF TIME SERIES

AUTHOR(S) : Richard HINDLS, **Stanislava HRONOVÁ**, Luboš MAREK

14:00 – 14:20

PAPER TITLE : THE UNIT SUJIT DISTRIBUTION: A ONE-PARAMETER MODEL FOR PROPORTIONS WITH CLOSED-FORM RELIABILITY AND AFT REGRESSION

AUTHOR(S) : **Coşkun KUS** , Nihan Kübra KABAKBAS OKSUZ

14:20 – 14:40

PAPER TITLE : BIVARIATE BINOMIAL DISTRIBUTION AND BIVARIATE BERNSTEIN POLYNOMIALS

AUTHOR(S) : Ayşe BELER, **İsmihan BAYRAMOĞLU**

14:40 – 14:50 : QUESTIONS & CERTIFICATE AWARDING

TEA & COFFEE BREAK 15:00 – 15:40

SESSION F (15:40 – 17:00)

SESSION CHAIR: Prof. Dr. Coşkun KUS

15:40 – 16:00

PAPER TITLE : SIN-DUS CLASS OF DISTRIBUTIONS: THEORY AND APPLICATIONS ON TIMES TO INFECTION OF KIDNEY DIALYSIS PATIENTS

AUTHOR(S) : **Shakila BASHIR** , Ishmal SHAHZADI

16:00 – 16:20

PAPER TITLE : ENTROPY-BASED BAYESIAN SEM FOR STUDENT SATISFACTION MODELING

AUTHOR(S) : Asli CANAL

16:20 – 16:40

PAPER TITLE : AGEING PATTERN IN INDIA: AN APPLICATION OF STABLE POPULATION THEORY

AUTHOR(S) : **Acharya BALKRISHNA** , K.N.S. YADAVA

16:40 – 17:00 : QUESTIONS & CERTIFICATE AWARDING