		Hall 1	Hall 2
Sunday	10.30 – 11.00	Registration	
	11.00 – 11.10	Opening of the Conference	
	11.10 – 12.00	Invited Lecture	
	12.00 – 12.20	Break	
	12.20 – 13.40	Social Science Methodology	Data Mining
	13.40 – 15.00	Lunch	
	15.00 – 16.20	Design of Experiments	Education
	19.00	Reception	
Monday	9.10 – 10.00	Invited Lecture	
	10.00 – 10.20	Break	
	10.20 – 11.40	Biostatistics and Bioinformatics I	Statistical Applications I
	11.40 – 12.00	Break	
	12.00 – 13.20	Biostatistics and Bioinformatics II	Network Analysis
	13.20 – 14.30	Lunch	
	14.30	Excursion	
Tuesday	9.10 – 10.00	Invited Lecture	
	10.00 – 10.20	Break	
	10.20 – 11.40	Modeling and Simulation I	Sampling Techniques and Data Collection
	11.40 – 12.00	Break	
	12.00 – 13.20	Econometrics	Mathematical Statistics I
	13.20 – 15.00	Lunch	
	15.00 – 16.20	Modeling and Simulation II	Mathematical Statistics II
Wednesday	9.10 – 10.30	Statistical Applications II	Statistical Applications III
	10.30 – 10.50	Break	
	10.50 – 11.50	Statistical Applications IV	Modeling and Simulation III
	12.00 – 12.20	Closing of the conference	
	12.30 – 14.00	Lunch	
	14.00 – 18.00	Workshop	

10.30–11.00   **Registration**

11.00–11.10   **Opening of the Conference**

11.10–12.00   **Invited Lecture** (Hall 1)   *Chair: Vasja Vehovar*

1. **Direct and Indirect Causal Effects: A Helpful Distinction?**
   Donald Rubin

12.00–12.20   **Break**

12.20–13.40   **Social Science Methodology** (Hall 1)   *Chair: Donald Rubin*

1. **Integration of Item Response Theory and Structural Equation Modeling with Dichotomous Data. An Application of Measurement Invariance in Political Preferences**
   Lluis Coromina

2. **Functional Independence Measure from the Classical Test Theory Perspective with an Eye on the Item Response Theory Approach**
   Gaj Vidmar and Helena Burger

3. **Comparing Student Grading Distributions**
   Matevž Bren and Darko Zupanc

4. **Integrated Modelling of European Migration**
   James Raymer, Jonathan J. Forster, Peter W.S. Smith, Jakub Bijak, Arkadiusz Wiśniowski and Guy J. Abel

12.20–13.40   **Data Mining** (Hall 2)   *Chair: Aleš Žiberna*

1. **Comparison of Rough Sets and Discriminant Analysis in the Study of Intangible Assets**
   Agnes Maciocha

2. **Yellow Pages Analysis by Using Web Mining**
   Umman Tugba Simsek Gursoy and Serap Sahin

3. **Association Rules Analysis for E-Commerce Data: An Application in Turkey**
   Serap Sahin and Umman Tugba Simsek Gursoy

4. **A Genetic Algorithm for Long-Term Gas Consumption Forecasting (1980-2007). A Case Study: Finland and France**
   Ali Azadeh, Mahmoud Mahmoudi, Morteza Saberi, Ali Divsalar and Navid Rahmani

13.40–15.00   **Lunch**

15.00–16.20   **Design of Experiments** (Hall 1)   *Chair: Janez Stare*

1. **Locally D-optimal Design for Logit Models in Discrete Choice Experiments**
Habib Jafari

2. **A Construction Method of Incomplete Split-Block Designs Supplemented by Control Treatments**
Shinji Kuriki, Stanisław Mejza and Iwona Mejza

3. **An Artificial Neural Network Approach to Forecast the Flexural Behaviour of Concrete and Lightweight Concrete Beams**
Mehmet Kamanli, Mevlut Yasar Kaltakci, M. Sami Donduren and M. Tolga Cogurcu

4. **Statistical Analyses of the Experimental Results on the Bond Behaviour of Reinforcing Concrete Columns Under Axial Load Effect which are Produced Site Conditions**
M. Tolga Cogurcu, M. Sami Donduren, Mustafa Altin and Mehmet Kamanli

15.00–16.00   **Education** (Hall 2)   *Chair: Andrej Blejec*

1. **Trends of Inequal Gender Proportions in Most Demanding Educational Tracks**
Gašper Cankar

2. **Where Does the PISA Test Score Gap Come From? A Country Comparison**
Alina S. Botezat and Ruben R. Seiberlich

3. **The Role of Participation in Lifelong Learning in Fostering Social Cohesion**
Anna Rita Manca and Cynthia Villalba

19.00   **Reception**

9.10–10.00   **Invited Lecture** (Hall 1)   *Chair: Janez Stare*

    1. **Models, Assumptions and Confidence Limits**
       John Copas

10.00–10.20   **Break**

10.20–11.40   **Biostatistics and Bioinformatics I** (Hall 1)   *Chair: John Copas*

    1. **Evaluation of Multiple Allele Probabilities at a Single Locus for Ungenotyped Members of Complex Pedigrees**
       Gregor Gorjanc

    2. **Marginal Structural Models: Treatment in Reach Study**
       Nursel Koyuncu and Emmanuel Lesaffre

    3. **Anisotropic and Inhomogeneous Hidden Markov Models for the Analysis of Water Quality Spatio-Temporal Data on a Cylindrical Lattice**
       Luigi Spezia

    4. **A Propensity Score Approach to Comparing Costs of Hip Fracture Treatments Between Hospital Districts in Finland**
       Antti Liski, Erkki P. Liski and Reijo Sund

10.20–11.40   **Statistical Applications I** (Hall 2)   *Chair: Germa Coenders*

    1. **Asset Price Models with Levy Processes**
       Jelena Stanojević and Tijana Levajković

    2. **Determining the Risk of Contracting Cancer Using Logistic Regression**
       Berna Yazıcı, Betül Kan, Gonca Mert and Aynur Küçükçongar

    3. **Modelling the Rainfall-Runoff Data of Susurluk Basin Using Neural Networks, Fuzzy Inference Systems and Time Series Models**
       Alpaslan Yarar and Atila Dorum

    4. **Inflation and Market Power in Agriculture: A Case Study in the Banana Industry in Israel**
       Tal Shahor

11.40–12.00   **Break**

12.00–13.20   **Biostatistics and Bioinformatics II** (Hall 1)   *Chair: Gaj Vidmar*

   1. **Combination of Logistic Regression and Boosting to Predict Disease Outcome**
Jana Šilhavá and Pavel Smrž

   2. **Threshold Calibration for High-Dimensional Classification with Class Imbalanced Data**
Lara Lusa and Rok Blagus

   3. **An Optimized Model Development for Multiple Sequence Alignment Algorithm for Protein Sequence Analysis**
Khubaib Ahmed Qureshi and Syed Faraz Raza Zaidi

   4. **A Nonparametric Generalized Additive Model for a Dichotomous Dependent Variable on Forest Fire Data**
Ahmet Sezer, Betül Kan and Berna Yazıcı

12.00–13.00   **Network Analysis** (Hall 2)   *Chair: Nataša Kejžar*

   1. **Using Social Network to Predict Behavior of Active Members of Web Forums**
Aleš Žiberna and Vasja Vehovar

   2. **Single and Multiple Name Generators for Measuring Social Support Networks**
Maja Mrzel and Valentina Hlebec

   3. **On Fide Network(s) of Chess Players**
Kristijan Breznik and Vladimir Batagelj

13.20–14.30   **Lunch**

14.30   **Excursion**

9.10–10.00   **Invited Lecture** (Hall 1)   *Chair: Lara Lusa*

1. **Three-sided Hypothesis Testing: Simultaneous Testing of Superiority, Equivalence and Inferiority**
   Jelle Goeman

10.00–10.20   **Break**

10.20–11.40   **Modeling and Simulation I** (Hall 1)   *Chair: Jelle Goeman*

1. **Hunting for Significance with the False Discovery Rate**
   Sonja Zehetmayer, Martin Posch and Peter Bauer

2. **A Permutation Test for Random Effect Models**
   Dario Basso, Livio Finos and Gianmarco Altoè

3. **Rank Tests in Measurement Errors Models**
   Radim Navratil

4. **Permutation Test for Partial Regression Coefficient on First-Order Autocorrelation**
   Pradthana Minsan and Pachitjanut Siripanich

10.20–11.40   **Sampling Techniques and Data Collection** (Hall 2)   *Chair: Lluis Coromina*

1. **Algorithms for the Stratification of Skewed Populations**
   Jane M. Horgan and Sebnem Er

2. **Adaptive Cluster Sampling Based on Ranked Sets**
   Girish Chandra and Hukum Chandra

3. **Bayesian Bootstrap Approximation to Sampling Distributions**
   Naoto Niki and Yoko Ono

4. **Statistical Analyses of the Experimental Results on the Bond Behaviour of Reinforcing Steel and Concrete**
   M. Sami Donduren, M. Tolga Cogurcu, Mustafa Altin and Mehmet Kamanli

11.40–12.00   **Break**

12.00–13.20   **Econometrics** (Hall 1)   *Chair: Aleša L. Dolinar*

1. **There is Only One Statistical SoftwaRe**
   Giovanni Millo

2. **Non-linearity, Complexity and Limited Measurement in the Relationship Between Domain and Overall Life Satisfaction**
   Monica Gonzalez, Germa Coenders, Marc Saez and Ferran Casas

3. **Noise-Indicator Nonlinear Stochastic Models and their Applications**
   Vladica Stojanović and Biljana Popović

4. **Plurality of Methods for the Categorical Variables: Empirics of Microfinance Impacts on Happiness in Thailand and Brazil**
Thanawit Bunsit

12.00–13.20   **Mathematical Statistics I** (Hall 2)   *Chair: Mihael Perman*

1. **Asymptotic Behavior of the Kernel Regression Estimator Under Different Rates of Censoring and Dependence**
Zohra Guessoum and Elias Ould Said

2. **Minimal Sufficiency in Rare Populations**
Mohammad Moradi, Jennifer Brown and Miriam Hodge

3. **Asymptotic Behavior of a Smooth Conditional Quantile Kernel Estimator for Censored and Dependent Data**
Ourida Sadki and Elias Ould Said

4. **Asymptotic Normality of a Kernel Mode Estimate Under RLT Model and Dependence**
Abdelkader Tatachak, Elias Ould Said and Ouafae Benrabah-Yazourh

13.20–15.00   **Lunch**

15.00–16.20   **Modeling and Simulation II** (Hall 1)   *Chair: Germa Coenders*

1. **Loglinear Models for Contingency Table**
Justyna J. Brzezińska

2. **A Comparison of the Most Commonly Used Measures of Association for Doubly Ordered Contingency Tables Via Simulation**
Atilla Göktaş and Öznur İşçi

3. **On Robust Ridge Regression and Robust Liu Estimator**
Betül Kan, Berna Yazıcı and Özlem Alpu

4. **Using Artificial Neural Networks in Fuzzy Time Series Forecasting**
Cagdas Hakan Aladag

15.00–16.20   **Mathematical Statistics II** (Hall 2)   *Chair: Damjan Škulj*

1. **A Class of Asymptotically Normal Degenerate Quasi U-Statistics**
Aluisio Pinheiro, Pranab Kumar Sen and Hildete Prisco Pinheiro

2. **Modified Power Divergence Estimators. Simulation and Performances in Normal Models**
Iva Frýdlová and Václav Kús

3. **Ordering Life Distributions Through Interval Entropy Function**
Fakhroddin Misagh, Gholam Hossein Yari and Rahman Farnoosh

4. **Consistency and Robustness of Kolmogorov-Cramer-von Mises Type Estimators**
Václav Kús and Jitka Hanousková

9.10–10.30   **Statistical Applications II** (Hall 1)   *Chair: Katarina Košmelj*

1. **The Effects of Body Mass Index on Pregnancy Outcomes in the Rural Areas of North of Iran**
   Karam Nazari, Raheleh Kardel and Manoochehr Babanezhad

2. **A Bayesian Approach to Inferring the Contribution of Unobserved Ground Conditions to Observed Scores in Sports: The Example of Cricket**
   Scott R. Brooker and Seamus Hogan

3. **Mendelian Randomisation using Instrumental Variable**
   Magid Maatallah

4. **Individual Prediction Mathematical Models of Motor Activity Development of Children with the Cerebral Paralysis**
   Alexander Wildemann, Anatoly Tashkinov and Vladimir Bronnikov

9.10–10.30   **Statistical Applications III** (Hall 2)   *Chair: Simona Korenjak-Černe*

1. **Hierarchical Clustering of Population Pyramids Presented as Histogram Symbolic Data**
   Nataša Kejžar, Simona Korenjak-Černe and Vladimir Batagelj

2. **The Survey Study about the Lifestyle of Young Generations in Thailand**
   Vacharaporn Suriya-bhivadh

3. **Numerical Realization Nonlinear Regressions Dependences**
   Lyumkis Victor

4. **Applications of Heavy Tailed Distributions for Modeling Human Behavior and Activities in Cyber Space**
   Mohammad Ali Baradaran Ghahfarokhi, Parvin Baradaran Ghahfarokhi and Rahim Bahramian Dehkordi

10.30–10.50   **Break**

10.50–11.50   **Statistical Applications IV** (Hall 1)   *Chair: Gaj Vidmar*

1. **Control Charts For Weibull, Gamma and Lognormal Distributions**
   Derya Çalışkan and Canan Hamurkaroglu

2. **Statistical Modulation of a Human Health Problem in Albania**
   Luela Prifti, Etleva Beliu and Shpetim Shehu

3. **Application of Stochastic Ornstein-Uhlenbeck Equation to Economics**
   Tijana Levajković and Jelena Stanojević

10.50–11.50   **Modeling and Simulation III** (Hall 2)   *Chair: Giovanni Millo*

    1. **Method of Successive Approximations in Elastic Boundary Value Problem for Composite Materials with Stochastic Structure**
Mikhail Tashkinov and Valeriy Wildemann

    2. **Non-linear Dimensionality Reduction for Functional Computer Code Modeling**
Benjamin Auder

    3. **A Comparison of the Most Commonly Used Measures of Association for Doubly Non-Squared Ordered Contingency Tables Via Simulation**
Öznur İşçi and Atilla Göktaş

12.00–12.20   **Closing of the conference** (Hall 1)

12.30–14.00   **Lunch**

14.00–18.00   **Workshop** (Hall 1)

    1. **Practical Applications of Permutation Tests**
Phillip Good