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<th>Day</th>
<th>Hall 1</th>
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<td>Sunday</td>
<td>10.30 – 11.00</td>
<td>Registration</td>
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<td>11.00 – 11.10</td>
<td>Opening of the Conference</td>
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<td>11.10 – 12.00</td>
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<td>13.40 – 15.00</td>
<td>Lunch</td>
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<td>15.00 – 16.20</td>
<td>Design of Experiments Education</td>
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<td>19.00</td>
<td>Reception</td>
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<td>12.00 – 13.20</td>
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<td>14.30</td>
<td>Excursion</td>
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<td>14.00 – 18.00</td>
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SUNDAY, September 19, 2010

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  
   Agnès 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

   Ali Azadeh, Mahmoud Mahmoudi, Morteza Saberi, Ali Divsalar and Navid Rahmani

13.40–15.00  Lunch
SUNDAY, September 19, 2010

15.00–16.20  Design of Experiments (Hall 1)  

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, Stanislaw 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

   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)**  

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)**  

1. **Using Social Network to Predict Behavior of Active Members of Web Forums**  
   Aleš Ziberna 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**
TUESDAY, September 21, 2010

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: Lluís 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
Ouirida Sadki and Elias Ould Said

4. Asymptotic Normality of a Kernel Mode Estimate Under RLT Model and Dependence
Abdelkader Tatatchak, Elias Ould Said and Ouaifae 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 Göktas and Öznuş İççi

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

Iva Frýdlová and Václav Kůs

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 Kůs 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
WEDNESDAY, September 22, 2010

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**  
   Öznyur İşıç and Atilla Göktas

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