## Program Overview

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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)  
   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)  
   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)  
   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

13.40–15.00  Lunch
15.00–16.20  Design of Experiments (Hall 1)  
   1. **A Construction Method of Incomplete Split-Block Designs Supplemented by Control Treatments**  
      Shinji Kuriki, Stanisław Mejza and Iwona Mejza

15.00–16.00  Education (Hall 2)  
   1. **Trends of Inequal Gender Proportions in Most Demanding Educational Tracks**  
      Gašper Cankar

19.00  Reception
MONDAY, September 20, 2010

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

10.20–11.40 Statistical Applications I (Hall 2)  
Chair: Germa Coenders
1. Determining the Risk of Contracting Cancer Using Logistic Regression  
Berna Yazıcı, Betül Kan, Gonca Mert and Aynur Küçükçongar
2. 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. Threshold Calibration for High-Dimensional Classification with Class Imbalanced Data  
Lara Lusa and Rok Blagus
2. 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 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
4. Structures of Collaboration in Slovenian Science System  
Luka Kronegger, Patrick Dorejan, Anuška Ferligoj and Franc Mali

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: 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. 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

13.20–15.00  Lunch

15.00–16.40  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 Özcnur İşçi

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

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

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

1. A Class of Asymptotically Normal Degenerate Quasi U-Statistics
   Aluishio Pinheiro, Pranab Kumar Sen and Hildete Frisco Pinheiro

2. Ordering Life Distributions Through Interval Entropy Function
   Fakhroddin Misagh, Gholam Hossein Yari and Rahman Farnoosh
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-Cerne 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 Modeling and Simulation III (Hall 1)  
Chair: Giovanni Millo

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 Prišti, Eteva Beliu and Shpetim Shehu

   Benjamin Auder

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