

Monday July 5, 2010

13:00 – 13:30	y-BIS Development Workshop Registration	
y-BIS Development Workshop		Emerald II
13:30 – 17:30	Sastry G. PANTULA , North Carolina State University, 2010 ASA President Robert N. RODRIGUEZ , SAS Institute, 2012 ASA President Ron WASSERSTEIN , Executive Director, American Statistical Association	
17:00 – 20:00	ISBIS-2010 Registration	

Tuesday July 6, 2010

09:00 – 10:30	ISBIS-2010 Registration
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10:30 – 11:00 Welcome Coffee Break

Opening Ceremony & Keynote Session		
Chair: Nicholas FISHER , University of Sydney		Europa A
11:00 – 11:15	Welcome Ceremony	
11:15 – 12:30	<p>Keynote Session: Historical Overview of Image Analysis and Mathematical Morphology Jean SERRA, ISIEE, University of Paris Est, France</p>	

12:30 – 14:30 Lunch Break

14:30 – 16:00 Parallel Sessions

Invited Session: An Introduction to Morphological Industrial Control via Case Studies		
Organiser: Nicholas FISHER , University of Sydney Chair: Adrian BADDELEY , CSIRO		Europa A
14:30 – 16:00	<p>An Introduction to Morphological Industrial Control via Case Studies Jean SERRA, ISIEE, University of Paris Est, France</p>	

Invited Session: Methodologies for Post-Euclidean Statistics		
Organiser: Rudolf BERAN , University of California – Davis Chair: Per Mykland , Oxford University		Europa B
14:30 – 16:00	<p>Quasi-Quantile Regression Ivan MIZERA, University of Alberta</p>	

	Extrinsic Analysis on Manifolds is Computationally Faster than Intrinsic Analysis, with Examples from Shape and Image Analysis <i>Vic PATRANGENARU, Florida State University</i>
	The Unbearable Transparency of Stein Estimation <i>Rudolf BERAN, University of California - Davis</i>

Invited Session: Statistical Quality Control

Organiser: <i>Eugenio EPPRECHT, Catholic University of Rio de Janeiro</i> Chair: <i>Eugenio EPPRECHT, Catholic University of Rio de Janeiro</i>		Emerald I
14:30 – 16:00	Model Selection in Mixture-Process Experiments <i>Antonio Fernando VIEIRA, PUC-Rio, Brazil</i>	
	Control Charts Based on Quantiles <i>Fernanda Otilia FIGUEIREDO, Universidade do Porto</i>	
	What is Optimization of Control Charts? <i>Francisco APARISI, UPV, Spain</i>	

Contributed Session: Statistical Applications

Chair: <i>Tara Keshar Nanda BAIDYA, PUC/RIO</i>		Emerald II
14:30 – 16:00	Modelling the Effects of Adverse Weather on the Power-Distribution Network <i>Carl DUCKWORTH, Scottish and Southern Energy Plc</i>	
	Dynamics of Abstinence and Condom Use Among Unmarried Youth Aged 15-24 In Uganda <i>Brian KANZIRA, Makerere University, Uganda</i>	
	The Modification of GCRMA Pre-Processing Method and its Application <i>Rohmatul FAJRIYAH, University of Essex</i>	
	Use of Bayesian Stochastic Frontier Analysis Model to Create Efficiency Index for Brazilian Electricity Distribution Firms <i>Tara Keshar Nanda BAIDYA, PUC/RIO</i>	
	Optional Discussion	

Contributed Session: Statistical Modeling

Chair: <i>Rikke NIELSEN, Aarhus University</i>		Mediterranea I + II
14:30 – 16:00	Non-Metric Partial Least Squares Methods <i>Giorgio RUSSOLILLO, CNAM, Paris</i>	
	A Bayes Approach To Goodness-Of-Fit Tests For Lifetime Models <i>Petr VOLF, Institute of Information Theory and Automation of the ASCR, Prague, Czech Republic</i>	
	Robust Regression Methods for the Analysis of Unreplicated Factorials <i>Victor AGUIRRE, ITAM, Mexico</i>	
	The Mathematical Model of an Assembly Link Checking Stand <i>Jiří MICHÁLEK, Institute of Information Theory and Automation of the ASCR, Prague, Czech Republic</i>	
	The Effect of PLS Regression in PLS Path Model Estimation When Multicollinearity Is Present <i>Rikke NIELSEN, Aarhus University</i>	
	Optional Discussion	

16:00 – 16:30 **Coffee Break**
16:30 – 18:00 **Parallel Sessions**

Invited Session: Processing Large Numbers of Digital Images

Organiser: <i>Adrian BADDELEY, CSIRO</i> Chair: <i>Nicholas FISHER, University of Sydney</i>		Europa A
16:30 – 18:00	High Content Cellular Screening for Biological Research and Drug Discovery <i>Leanne BISCHOF, CSIRO</i>	
	Google Street View: Overview & Computational Challenges <i>Luc VINCENT, Google, Inc</i>	
	Statistics for Sets, Using The Distance Transform <i>Adrian BADDELEY, CSIRO Mathematics, Informatics and Statistics</i>	

Invited Session: Time Series and Spectral Modeling (y-BIS)

Organiser: <i>Paulo RODRIGUES, Nova University of Lisbon</i> Chair: <i>Elsa MOREIRA, Nova University of Lisbon</i>		Europa B
16:30 – 18:00	Analysis and Forecasting of the NYSE Composite Index <i>Paulo RODRIGUES, Nova University of Lisbon</i>	
	Tracking the US Business Cycle with the Singular Spectrum Filter <i>Miguel DE CARVALHO, Lisbon University</i>	
	The Study Of Extended Multivariate Time Series Through Independent Component Analysis <i>Fernando SEBASTIÃO, Polytechnic Institute of Leiria</i>	

Invited Session: Statistics in the Information Sciences

Organiser: <i>George MICHAILIDIS, University of Michigan</i> Chair: <i>George MICHAILIDIS, University of Michigan</i>		Emerald I
16:30 – 18:00	DD-Classifiers: New Nonparametric Classification Procedures <i>Regina LIU, Rutgers University</i>	
	Enterprise Statistical Forecasting and Tracking Framework <i>Yasuo AMEMIYA, IBM T. J. Watson Research Center</i>	
	Sequential Fixed Width Confidence Intervals for the Offset between two Network Clocks <i>Daniel JESKE, University of California, Riverside</i>	

Contributed Session: Credit Scoring and Other Business Applications

Chair: <i>Lukasz SKOWRON, Technical University of Lublin</i>		Emerald II
16:30 – 18:00	Auc Based Variable Selection For Data Mining Score Model <i>Gyeong-Min LEE, Korea University</i>	
	Implementing Classifier Fusion in Credit-scoring <i>Farid BENINEL, ENSAI</i>	
	Non-Parametric and Structured Graduation of Mortality Rates <i>Víctor M. GUERRERO, Instituto Nacional de Estadística y Geografía (INEGI)</i>	
	Customer Satisfaction and Loyalty In The Polish Banking Sector Empirical Studies Perspective From Years 2007–2009. <i>Lukasz SKOWRON, Technical University of Lublin</i>	
	Optional Discussion	

19:30

Welcoming Reception
Terrace International
on St. Bernardin Church Square



Wednesday July 7, 2010

09:00 – 10:30 Parallel Sessions

Invited Session: ASMBI Invited Discussion Paper		
Organiser: <i>Fabrizio RUGGERI, CNR IMATI Milano</i> Chair: <i>Shu YAMADA, University of Tsukuba</i>		Europa A
09:00 – 10:30	Automatic Crack Detection Algorithm for Vibrothermography Sequence-of-Images Data <i>William MEEKER, Iowa State University</i>	
	Discussants: <i>Fabrizio RUGGERI, CNR IMATI Milano</i> <i>Petr VOLF, Institute of Information Theory and Automation of the ASCR, Prague, Czech Republic</i>	
Invited Session: Object Oriented Data Analysis		
Organiser: <i>Jan HANNIG, University of North Carolina</i> Chair: <i>William CLEVELAND, Purdue University</i>		Europa B
09:00 – 10:30	Object Oriented Data Analysis <i>Steve MARRON, University of North Carolina at Chapel Hill</i>	
	Set and Boundary Estimation Under Shape Restrictions <i>Alberto RODRIGUEZ-CASAL, Universidade de Santiago de Compostela</i>	
	Generalized Fiducial Inference for Wavelet Regression <i>Jan HANNIG, University of North Carolina</i>	
Invited Session: Advanced Statistical Models for the Environment and Industrial Impact (TIES and SFdS Session)		
Organiser: <i>Alessandro FASSO, University of Bergamo & Daniela COCCHI, University of Bologna</i> Chair: <i>Francesco FINAZZI, University of Bergamo</i>		Emerald I
09:00 – 10:30	High Temperature Extreme Values In The Climate Change Context: EDF Experience <i>Sylvie PAREY, Université d'Orsay</i>	
	Composite Likelihood for Random Fields: Rainfall Applications <i>Simone PADOAN, Ecole Polytechnique Federale de Lausanne</i>	
	Projecting Future Building Water Losses From Climate Scenarios <i>Ola HAUG, Norwegian Computing Center</i>	

Contributed Session: Control Charts**Chair: Luan JAUPI, CNAM, France****Emerald II****9:00 – 10:30****Robust Xbar Control Charts****Marlt SCHOONHOVEN, IBIS UvA****A Study of Multivariate Control Charts****Su-Tsu CHEN, Fooyin University****On a Discrete Laplacian Based Method for Outliers Detection in Phase I of Profiles Control Charts****Maysa De MAGALHÃES, National School of Statistical Sciences (ENCE/IBGE), Brazil****Control Charts For Monitoring Linear Profiles****Francisco MOURA NETO, Polytechnic Institute/State University of Rio de Janeiro****Selection of Variables That Are Relevant to Multivariate Process Monitoring Goals****Luan JAUPI, CNAM, France****Optional Discussion****Contributed Session: Risk Modeling****Chair: Laurent CALVET, HEC Paris****Mediterranea
I + II****9:00 – 10:30****Statistical Models on Risk Management****D.S. HOODA, Jaypee Institute of Engineering & Technology****Review and Development of a Risk Rating System for Ocean Going Vessels****John DONNELLY, CSIRO Australia****Liquidity, Risk and Return: Specifying an Objective Function for the Management of Foreign Reserves****Yuliya ROMANYUK, Bank of Canada****The GARCH Structural Credit Risk Model****Enrique TER HORST, Euromed Management****Twin Picks: Disentangling the Determinants of Risk-Taking in Household Portfolios****Laurent CALVET, HEC Paris****Optional Discussion****10:30 – 11:00****Coffee Break****11:00 – 12:30****Parallel Sessions****Invited Session: Health and Safety Surveillance****Organiser: Ross SPARKS, CSIRO, Australia****Chair: Ross SPARKS, CSIRO, Australia****Europa A****11:00 – 12:30****Risk Adjusted Survival Time Monitoring****Stefan STEINER, University of Waterloo****An Adaptive Threshold Method Applied to Public Health Surveillance****William WOODALL, Virginia Tech****Control Charts for Accident Rates in the Construction Industry****Alan LEE, University of Auckland**

Invited Session: Application of Statistics in Japanese Industry		
Organiser: <i>Shu YAMADA, University of Tsukuba</i> Chair: <i>Shu YAMADA, University of Tsukuba</i>		Europa B
11:00 – 12:30	New Approach to the Analysis of Signal-to-ratio-Noise Ratio in Robust Parameter Design <i>Toshihiko KAWAMURA, Institute of Statistical Mathematics</i>	
	Integration of SPC and APC in Semiconductor Manufacturing Process <i>Ken NISHINA, Nagoya Institute of Technology</i>	
	Random Generation For Constructing Supersaturated Designs <i>Hiroki HASHIGUCHI, Saitama University</i>	

Invited Session: Extreme Value Statistics (y-BIS)		
Organiser: <i>Miguel DE CARVALHO, Universidade Nova de Lisboa</i> Chair: <i>Johan SEGERS, Université Catholique de Louvain</i>		Emerald I
11:00 – 12:30	Statistical Inference for the Right Endpoint of a Light Tailed Distribution <i>Cláudia NEVES, Universidade de Aveiro</i>	
	Nonstationary Extremes and the US Business Cycle <i>Miguel DE CARVALHO, Universidade Nova de Lisboa</i>	
	Spatial Extremes: Application to Precipitation Data in the North of Portugal <i>Dora GOMES, Nova University of Lisbon</i>	

Invited Session: Environmental Statistics (TIES Session)		
Organiser: <i>Daniela COCCHI, University of Bologna</i> Chair: <i>Ola HAUG, Norwegian Computing Center</i>		Emerald II
11:00 – 12:30	Semiparametric Approaches for Modelling Air Pollution Processes <i>Wolfgang SCHMID, European University, Frankfurt Oder</i>	
	Applying the Dynamic Coregionalization Model to Particulate Matters Mapping Using Satellite Data <i>Francesco FINAZZI, University of Bergamo</i>	
	Clustering of Stations In Monitoring Networks <i>Stefano TONELLATO, University of Venezia</i>	

12:30 – 14:30 **Lunch Break**

12:30 – 14:30 **ISBIS Executive Meeting in Pharos Room**

14:30 – 16:00 **Parallel Sessions**

Invited Session: Quality, Efficiency, Patient Safety and Patient Satisfaction		
Organiser: <i>Ronald DOES, University of Amsterdam</i> Chair: <i>Stefan STEINER, University of Waterloo</i>		Europa A
14:30 – 16:00	Measurement for Improvement in Practice <i>Shirley COLEMAN, ISRU, University of Newcastle</i>	
	Critical Success Factors for the Successful Deployment of Lean Six Sigma in Healthcare <i>Jiju ANTONY, University of Strathclyde</i>	
	Process Improvement in Healthcare <i>Ronald DOES, University of Amsterdam</i>	

Invited Session: Statistics and Networks		
Organiser: <i>Shoja CHENOURI, University of Waterloo</i> Chair: <i>Daniel Jeske, University of California, Riverside</i>		Europa B
14:30 – 16:00	FDA for Tree-structured Data Objects Steve MARRON, University of North Carolina	
	Network-WIDEE Statistical Modeling and Prediction of Computer Traffic George MICHAELIDIS, University of Michigan	
	Stochastic Graph Models and Their Application in the UK 2001 Foot-And-Mouth Epidemic Shojaeddin CHENOURI, University of Waterloo	

Invited Session: Statistics Methods for Transportation Data Analysis		
Organiser: <i>Francesco MOLA, University of Cagliari</i> Chair: <i>Francesco MOLA, University of Cagliari</i>		Emerald I
14:30 – 16:00	Activity Time Allocation Models: A Comparison Between Maximum-Likelihood and Bayesian Estimators Massimiliano BEZ, Italo Meloni	
	Successive Events in Transportation of Dangerous Media Gejza DOHNAL, Czech Technical University in Prague	
	EEG Classification Models in Driver's Microsleep Prevention Jan KLASCHKA, Institute of Computer Science, Academy of Sciences, Prague, Czech Republic	

Invited Session: Time Series Analysis		
Organiser: <i>Yulla GEL, University of Waterloo</i> Chair: <i>Miguel DE CARVALHO, Universidade Nova de Lisboa</i>		Emerald II
14:30 – 16:00	The Equity of Financial Service Distribution Nicoleta SERBAN, Georgia Tech	
	Comparison of Classical and Bayesian Approaches for Intervention Analysis Glaura FRANCO, UFMG Brazil	
	Improved Estimation Strategies in Partially Linear Models with Nonlinear Time Series Errors Ejaz AHMED, University of Windsor	

Contributed Session: Control Charts and Change Point Detection

Chair: **Riccardo BORGONI**, *University of Milano-Bicocca*

**Mediterranea
I + II**

14:30 – 16:00

Visual Detection of Change Points

Sackmone SIRISACK, *Linköping University, Sweden*

Optimization of a Set of Multiple Poisson Statistical Quality Control Charts

Francisco APARISI, *Universidad Politecnica de Valencia*

Modified Shewhart Control Charts For Conditionally Heteroskedastic Models

Joana LEITE, *Polytechnic Institute of Coimbra*

A Control Chart Based on Sample Means and Sample Ranges for Monitoring Bivariate Processes

Marcela MACHADO, *UNESP*

On the Reduction of a Spatial Monitoring Grid: Proposals and Applications to Semiconductor Processes

Riccardo BORGONI, *University of Milano-Bicocca*

Optional Discussion

16:00 – 16:30 **Coffee Break**

16:30 – 18:00 **Parallel Sessions**

Invited Session: Special Invited Session with the Editors (y-BIS)

Organiser: **Paulo RODRIGUES**, *Nova University of Lisbon*

Chair: **Paulo RODRIGUES**, *Nova University of Lisbon*

Europa A

16:30 - 18:00

Discussants:

Fabrizio RUGGERI, *CNR IMATI Milano*

William WOODALL, *Virginia Tech*

William MEEKER, *Iowa State University*

Karen KAFADAR, *Indiana University*

Invited Session: Medical Image Analysis

Organiser: **Alberto José FERRER**, *Technical University of Valencia*

Chair: **Adrian BADDELEY**, *CSIRO*

Europa B

16:30 - 18:00

A Methodology for 3D Scene Reconstruction From Digital Camera Images

Vic PATRANGENARU, *Florida State University*

Profiles as Outputs in Supervised Data Analysis

Marco REIS, *University of Coimbra*

Multivariate Image Analysis: from Grey-Level to Hyperspectral (NIR) Images

Alberto José FERRER, *Technical University of Valencia*

Invited Session: Adversarial Risk Analysis I		
Organiser: <i>David BANKS, Duke University</i> Chair: <i>David BANKS, Duke University</i>		Emerald I
16:30 – 18:00	Analyzing Policy Risk and Accounting for Strategy: Auctions in the National Airspace System <i>James BONO, American University</i>	
	A “Reason for Unreason”: Returns-Based Beliefs in Game Theory <i>Chander VELU, University of Cambridge</i>	
	A Cooperative Game Theory Approach to Classification Analysis <i>Laura PONTIGGIA, University of the Sciences in Philadelphia</i>	

Invited Session: Learning Models, Extreme Half Spaces, and Visualization		
Organiser: <i>Roy WELSCH, MIT</i> Chair: <i>Laurent CALVET, HEC Paris</i>		Emerald II
16:30 – 18:00	Efficient Estimation of Learning Models <i>Veronika CZELLAR, HEC Paris</i>	
	Probabilities of Extreme Half-Spaces <i>Stephan MORGENTHALER, Ecole polytechnique fédérale de Lausanne</i>	
	Statisticians meet Optimizers: Visualizing Sampling Variability in Plots and Finding Outliers <i>Roy WELSCH, MIT</i>	

Contributed Session: Experimental Design and Quality Improvement		
Chair: <i>Chris MARLEY, University of Southampton</i>		Mediterranea I + II
16:30 – 18:00	Analysis of Unreplicated Factorial Designs – Methods’ Performance <i>Nuno COSTA, Universidade Nova de Lisboa</i>	
	An Integrated Probability-Based Approach for Multiple Response Surface Optimization <i>Okay ISIK, Old Dominion University</i>	
	Box-Cox Transformation in Acceptance Sampling Plans <i>Elisabete CAROLINO, ESTeSL IPL, Portugal</i>	
	Three-Dimensional Quantile Plots and Animated Quantile Plots of the Prediction Variance for Response Surface Designs <i>Dae-Heung JANG, Pukyong National University</i>	
	Optimal Supersaturated Designs Under Measures of Multicollinearity <i>Chris MARLEY, University of Southampton</i>	
	Optional Discussion	

18:15 – 19:15 ASMBI Editorial Board Meeting in Pharos Room

19:30 y-BIS (Young Statisticians) Mixer
at Tropic Bar by GH Bernardin



Thursday July 8, 2010

09:00 - 10:30 Parallel Sessions

Invited Session: Statistics and Finance		
Organiser: <i>Per MYKLAND</i> , Oxford University Chair: <i>Pilar MUNOZ</i> , Universitat Politcnica de Catalunya		Europa A
09:00 – 10:30	Equivalent Poisson and iid Sampling Models: A Bayesian view <i>Albert LO</i> , Hong Kong University of Science and Technology	
	Explicit Martingale Estimating Functions for Diffusions With Jumps <i>Michael SØRENSEN</i> , University of Copenhagen	
	Estimating Covariation: Epps Effect, Microstructure Noise <i>Lan ZHANG</i> , Oxford University and University of Illinois at Chicago	
Invited Session: Small Samples		
Organiser: <i>Milan STEHLIK</i> , Johannes Kepler University Chair: <i>Milan STEHLIK</i> , Johannes Kepler University		Europa B
09:00 – 10:30	Estimating the Quality of Packet Transmission in Peer-to-Peer Applications <i>Natalia MARKOVICH</i> , Russian Academy of Sciences	
	On Multi-Aspect Permutation Testing <i>Fortunato PESARIN</i> , University of Padova	
	Testing of Stochastic Dependence of Attributes in Contingency Table <i>D.S. HOODA</i> , Jaypee Institute of Engineering & Technology	
Invited Session: Adversarial Risk Analysis II		
Organiser: <i>David BANKS</i> , Duke University Chair: <i>Laura PONTIGGIA</i> , University of the Sciences in Philadelphia		Emerald I
09:00 – 10:30	The Bayesian Theory of Games <i>Jimmy TENG</i> , Academia Sinica	
	Bayesian Borel Games <i>David BANKS</i> , Duke University	
	Dominance and Innovation <i>Chander VELU</i> , University of Cambridge	
Invited Session: Linking Theory to Practice		
Organiser: <i>Nicholas FISHER</i> , University of Sydney Chair: <i>Ana T. LIMA</i> , Utrecht University		Emerald II
09:00 – 10:30	FASTAT: A Second Opinion Statistical Analyzer <i>Leland WILKINSON</i> , University of Illinois	
	Simultaneous Variable Selection for Heteroscedastic Regression Models <i>Zhongzhan ZHANG</i> , Beijing University of Technology	
	Quantile Based Reliability Analysis <i>P.G. SANKARAN</i> , Cochin University of Science and Technology	

Contributed Session: Estimation**Chair:** *Su-Tsu CHEN, Fooyin University***Mediterranea
I + II****9:00 – 10:30****A Study on Estimating Methods for Aged 80 and Above**
*Chun-kyung CHA, Korea University***Estimation of $R = P(Y < X)$ for Two-Parameter Exponential Distribution***Parviz NASIRI, Payame Noor University***Confidence Intervals for Lognormal Means in Small Samples**
*Su-Tsu CHEN, Fooyin University***Optional Discussion****10:30 – 11:00 Coffee Break****11:00 – 12:30 Parallel Sessions****Invited Session: Financial Time Series Analysis****Organiser:** *Yulia GEL, University of Waterloo***Chair:** *Lan Zhang, Oxford University and University of Illinois at Chicago***Europa A****11:00 – 12:30****Influence of Macroeconomics Indicators In Power Prices: the Spanish Case***Pilar MUNOZ, Universitat Politcnica de Catalunya***A Multifrequency Theory of the Interest Rate Term Structure***Laurent CALVET, HEC Paris***Seasonal Fractional Processes with Heteroscedastic Innovations***Valderio REISEN, UFES, Brazil***Invited Session: Chemometrics (y-BIS)****Organiser:** *Paulo RODRIGUES, Nova University of Lisbon***Chair:** *Paulo RODRIGUES, Nova University of Lisbon***Europa B****11:00 – 12:30****Multi-treatment Regression Approach for the Time Evolution of Heavy Metals Concentration in a Electrodialytic Removal Method**
*Elsa MOREIRA, Nova University of Lisbon***Heavy Metal Migration During Electroremediation of Fly Ash From Different Wastes – Modelling***Ana T. LIMA, Utrecht University***Applications of Chemometric Techniques for Geochemical Studies of Environmental Samples***Claudla CASALINO, Utrecht University*

Invited Session: Analysis of High-dimensional Complex Data	
Organiser: Karen KAFADAR , <i>Indiana University</i> Chair: Leland WILKINSON , <i>University of Illinois</i>	
Emerald I	
11:00 – 12:30	Statistical Issues in the Comparison of Multi-dimensional Profiles Karen KAFADAR , <i>Indiana University</i>
	A Class Comparison Method With Filtering-Enhanced Variable Selection For High-Dimensional Data Sets Lara LUSA , <i>University of Ljubljana</i>
	Accuracy in Cell Image Segmentation Algorithms Adele PESKIN , <i>National Institute of Standards and Technology, Boulder</i>

Invited Session: Experimental Design	
Organiser: Stefan STEINER , <i>University of Waterloo</i> Chair: Stefan STEINER , <i>University of Waterloo</i>	
Emerald II	
11:00 – 12:30	The Construction and Use of Crossover Designs in Medical Research Emlyn WILLIAMS , <i>Australian National University</i>
	DOE in Computer Simulation for Automobile Design Shu YAMADA , <i>University of Tsukuba</i>
	Analyzing Computer Experiments: What Matters Will WELCH , <i>University of British Columbia</i>

Posters:	
Europe C+D	
11:00 – 12:30	Income Distribution in Czech Republic Michal VRABEC , <i>University of Economics Prague</i>
	Three-Way PLS Approach to Analyze and Monitoring a Soft-Drinks Bottling Process Jorge T. SAAVEDRA , <i>Pontificia Universidad Católica de Valparaíso</i>
	Definition of Great Levels of Parameters of Eletrical Stunning Equipment Through Experimental Optimization Karla FACCIO , <i>UFRGS - Brazil</i>
	Classification of Pinot Noir Wines from Casablanca Valley, Chile: a Chemometrical Approach for Designation of Origins Jorge T. SAAVEDRA , <i>Pontificia Universidad Católica de Valparaíso</i>

12:30 – 14:30 **Lunch Break**

12:30 – 14:30 **ISBIS Council Meeting, in Pharos Room**

14:30 – 16:00 Parallel Sessions

Invited Session: Financial Statistics	
Organiser: <i>Riaan DE JONGH, North West University, South Africa</i> Chair: <i>Jostein LILLESTOL, Norwegian School of Economics and Business Administration</i>	
Europa A	
14:30 – 16:00	On the Combined Estimating Functions Method with Applications in Finance <i>Melody GHAHRAMANI, University of Winnipeg</i>
	Local Unbiased Estimation of the Tail Index and Its Application to Fire Insurance Data <i>Tertius DE WET, Stellenbosch University</i>
	Bias Adjusting and Combining Realized Volatilities to Estimate Daily Volatility <i>Riaan DE JONGH, North-West University South Africa</i>

Invited Session: Design of Experiments	
Organiser: <i>Stefan STEINER, University of Waterloo</i> Chair: <i>Stefan STEINER, University of Waterloo</i>	
Europa B	
14:30 – 16:00	The Pareto Frontier Approach for Selecting Designed Experiments <i>Christine ANDERSON-COOK, Los Alamos National Lab</i>
	Some Issues in the Design and Analysis of Industrial Split-Plot Experiments <i>John BREWSTER, University of Manitoba</i>
	Optimal Discrete Choice Experiments Design Under Model Uncertainty <i>William LI, University of Minnesota</i>

Invited Session: Statistics a SWOT Analysis	
Organiser: <i>Alan KARR, NISS</i> Chair: <i>Alan KARR, NISS</i>	
Emerald I	
14:30 – 16:00	Discussants: <i>Henry WYNN, London School of Economics</i> <i>Vijay NAIR, University of Michigan</i> <i>Leland WILKINSON, University of Illinois</i>

Invited Session: Small Sample Testing	
Organiser: <i>Milan STEHLIK, Johannes Kepler University</i> Chair: <i>P.G. SANKARAN, Cochin University of Science and Technology</i>	
Emerald II	
14:30 – 16:00	Exact Testing for Small Sampled Censored and Missing data <i>Milan STEHLIK, Johannes Kepler University</i>
	Empirical Retrospective Power: Background, Planning and Use <i>Monjed H. SAMUH, University of Padua</i>
	Outlier Detection in Small Samples of Same-Quantity Ratios: A Simulation Study Based on Business Indicators of Healthcare Quality <i>Gaj VIDMAR, University of Ljubljana</i>

16:00 – 16:30 Coffee Break

Invited Session: New Developments in Reliability	
Organiser: <i>William MEEKER, Iowa State University</i> Chair: <i>Milan STEHLIK, Johannes Kepler University</i>	
Europa A	
16:30 – 18:00	A Generalized Brown-Proschan Model for Preventive and Corrective Maintenance <i>Laurent DOYEN, Institut National Polytechniques de Grenoble</i>
	Inference in Multi-state semi-Markov Models with Interval-Censored Data <i>Vijay NAIR, University of Michigan</i>
	Warranty Prediction Based on Auxiliary Use-rate Information <i>William MEEKER, Iowa State University</i>

Panel Discussion: Bridging the Way Between Academia and Practice: the ENBIS Way	
Organiser: <i>Irena OGRAJENSEK, University of Ljubljana</i> Chair: <i>Irena OGRAJENSEK, University of Ljubljana</i>	
Europa B	
16:30 – 18:00	Discussants: <i>Fabrizio RUGGERI, Istituto di Matematica Applicata e Tecnologie Informatiche – Milano</i> <i>Bart DE KETELAERE, Katholieke Universiteit Leuven</i> <i>Shirley COLEMAN, ISRU, University of Newcastle</i> <i>Henry WYNN, London School of Economics</i>

Invited Session: Data Mining Applications	
Organiser: <i>Seohoon JIN, Korea University</i> Chair: <i>Markus KALISCH, ETH Zürich</i>	
Emerald I	
16:30 – 18:00	Visualization for Datamining <i>Yoshiro YAMAMOTO, Tokai University</i>
	Exploration of the Recommended Model of Decision Tree to Predict a Hard-to Measure Measurement in Anthropometric Invited <i>Jae-Poong JEONG, Korea University</i>
	A Study on the Datamining Score Model Management Process <i>Seohoon JIN, Korea University</i>

Contributed Session: Statistical Computing	
Chair: <i>Sascha PLAZAR, TU-Dortmund</i>	
Emerald II	
16:30 – 18:00	Practical Limitations When Using Excel with Large Data Sets <i>William RYBOLT, Babson College</i>
	A Bayesian Approach to the Vectorization of Objects Boundaries from Digital Images <i>Francesco FINAZZI, University of Bergamo</i>
	Optimizing Execution Runtimes of R Programs <i>Sascha PLAZAR, TU-Dortmund</i>
	Optional Discussion

Contributed Session: Statistical Methods

Chair: **Giovanna MENARDI**, *University of Trieste*

**Mediterranea
I + II**

16:30 – 18:00

A Probabilistic Approach for the Classification of Variables
Adelaide FIGUEIREDO, *Universidade do Porto*

Monitoring Structural Change in Time Series Models
Mardi JANKOWITZ, *University of South Africa*

Ruin Probability in Data Transmission for Computer Network by Symmetric Alpha Stable Distributions Approach
Hassan NASERI, *Ministry of Energy*

Model Evaluation in Presence of Rare Classes
Giovanna MENARDI, *University of Trieste*

Optional Discussion

18:05 – 18:45

ISBIS General Assembly

19:30

ISBIS Dinner at Tri Vdove Restaurant (Optional)



Friday July 9, 2010

09:00 – 10:30

Parallel Sessions

Invited Session: Challenges in the Analysis of Complex Data

Organiser: **Yves GRIZE**, *Basler Versicherungen*

Chair: **Yves GRIZE**, *Basler Versicherungen*

Europa A

09:00 – 10:30

Can One Extract Causal Information from High-Dimensional Observational Data?
Markus KALISCH, *ETH Zürich*

Data Quality Mining
Tamraparni DASU, *ATT Labs Research*

Transforming the Data Deluge into Data-Driven Insights
Bob RODRIGUEZ, *SAS*

Invited Session: Modeling of Predictive Paths between Complex and Multiple Datasets

Organiser: **Vincenzo ESPOSITO VINZI**, *ESSEC Business School Paris*

Chair: **Suptaishi GUHA**, *Purdue University*

Europa B

09:00 – 10:30

Probabilistic Structural Equation with Bayesian Networks
Lionel JOUFFE, *Bayesia SA, France*

Variable Selection in Partial Least Squares Methods: Overview and Recent Developments
Laura TRINCHERA, *Supélec, France*

A Comprehensive PLS Rationale for Multidimensional Blocks in Predictive Path Models
Vincenzo ESPOSITO VINZI, *ESSEC Business School*

Invited Session: Some Interesting Statistics Problems and Challenges (y-BIS)		
Organiser: <i>Nicholas FISHER, University of Sydney</i> Chair: <i>Rudolf BERAN, University of California, Davis</i>		Emerald I
09:00 – 10:30	Statistics of High Frequency Financial Data: Background and New Developments <i>Per MYKLAND, Oxford University</i>	
	A Semi-Theoretician's Mid-Day Confession: The True Meaning of i.i.d. in (Applied) Statistics <i>Xiao-Li MENG, Harvard University</i>	
	The Power of Simplicity <i>Nicholas FISHER, University of Sydney</i>	

Invited Session: Process Monitoring		
Organiser: <i>Stefan STEINER, University of Waterloo</i> Chair: <i>Stefan STEINER, University of Waterloo</i>		Emerald II
09:00 – 10:30	Monitoring the Intra-Stream Variance in Multiple Stream Processes <i>Eugenio EPPRECHT, Catholic University of Rio de Janeiro</i>	
	Spatio-Temporal Surveillance of Road Crashes <i>Ross SPARKS, CSIRO</i>	
	On-Line Spatiotemporal Methods of Air Quality Surveillance for Safeguarding Community Health <i>Sortiris BERSIMIS, University of Piraeus, Greece</i>	

Contributed Session: Financial Applications		
Chair: <i>Maria BOHDALOVA, Comenius University</i>		Mediterranea I + II
9:00 – 10:30	Gini Index in Czech Republic <i>Lubos MAREK, University of Economics Prague</i>	
	Using Exploration Trees to Analyze Data about Loan Applications <i>Petr BERKA, University of Economics Prague</i>	
	Model of Optimization of Trade on Internal and a Foreign Market <i>Yana KULISHOVA, Donetsk National University</i>	
	Traditional Versus Fractal Analysis of the Foreign Exchange Rates <i>Maria BOHDALOVA, Comenius University</i>	
	Optional Discussion	

10:30 – 11:00 Coffee Break

11:00 – 12:30 Parallel Sessions

Invited Session: Large and Complex Data Sets		
Organiser: <i>Nicholas FISHER, University of Sydney</i> Chair: <i>Nicholas FISHER, University of Sydney</i>		Europa A
11:00 – 12:30	Divide and Recombine for the Analysis of Very Large Datatsets <i>William CLEVELAND, Purdue University</i>	
	R and Hadoop: Analyzing Massive Data Sets using RHIPe <i>Saptarshi GUHA, Purdue University</i>	
	Risk Management: A Differential Diagnosis <i>John MORRISON, Asymptotix</i>	

Invited Session: Computer Experiments (SSC-BISS Session)		
Organiser: <i>Will WELCH, University of British Columbia</i> Chair: <i>Will WELCH, University of British Columbia</i>		Europa B
11:00 – 12:30	Spatially Adapted Experimental Design for Computer Experiments <i>Henry WYNN, London School of Economics</i>	
	Selecting Designs for a Computer Experiments <i>Jason LOEPPKY, University of British Columbia, Okanagan</i>	
	Why Fill Space? <i>Werner MULLER, Johannes Kepler Universitat</i>	

Invited Session: Selected Topics in Time Series Analysis		
Organiser: <i>Bojan BASRAK, University of Zagreb</i> Chair: <i>Bojan BASRAK, University of Zagreb</i>		Emerald I
11:00 – 12:30	The Risk-Return Tradeoff and Leverage Effect in a Stochastic Volatility-In-Mean Model <i>Petra POSEDEL, University of Zagreb</i>	
	Tails of Correlation Mixtures of Elliptical Copulas <i>Johan SEGERS, Universit�e Catholique de Louvain</i>	
	Parameter Estimation for Fisher-Snedecor Diffusion <i>Nenad SUVAK, University of Osijek, Croatia</i>	

Contributed Session: Statistical Applications II		
Chair: <i>John McKENZIE, Babson College</i>		Emerald II
11:00 – 12:30	Medium-Sized Firms: The Case of Philippine Manufacturing Industries <i>Lourdes HOMECILLO, National Statistics Office - Philippines</i>	
	Precision Testing of Iron Ore Samples - Problems with the ISO Protocol <i>Jim EVERETT, University of Western Australia</i>	
	Contradictions of Industrial Development of Ukraine <i>Anna ANISIMOVA, Donetsk National University</i>	
	Data Mining Application for Estimation of Customer's Wallet Size <i>Seok-won OH, Korea University</i>	
	The Rise and Fall of Quality in the Introductory Statistics Course for North American Business Students <i>John McKENZIE, Babson College</i>	

12:30 – 14:00 Lunch Break

Keynote Session & Closing Session		
Chair: <i>William CLEVELAND, Purdue University</i>		Europa A
14:00 – 15:30	Keynote Session: The Coming Revolution in Statistics <i>Lee EDLEFSEN, Vice President of Engineering at REvolution Computing, Inc</i>	
15:30 – 16:00	Announcement of the Winner of the y-BIS Award (y-BIS): <i>Yves GRIZE, ISBIS President</i> Closing	

Note: sessions labelled (y-BIS) are of special interest to young statisticians