28th IWSM 2013 - Oral Presentations

Monday July 8

08.00 - 09.00 Registration

09.00 - 09.10 Opening

09.10 - 10.30 Contributed session 1 chair: Vito Muggeo

09.10 - 09.30 André Klima, Helmut Küchenhoff, Paul W. Thurner
Analysis of voter transition using ecological data: Comparison of different approaches for Munich election data

09.30 - 09.50 Nelmarie Louw
Kernel based dimension reduction and classification of spectroscopy data for authentication of South African wines

09.50 - 10.10 Matilde Trevisani, Arjuna Tuzzi
Through the JASA’s Looking-Glass, and What We Found There

10.10 - 10.30 Magdalena Murawska, Dimitris Rizopoulos, Emmanuel Lesaffre
A comparison between landmarking and joint modeling for producing predictions using longitudinal outcomes

10.30 - 11.00 Coffee break

11.00 - 12.00 Invited Speaker chair: Arnošt Komárek

Torsten Hothorn, Thomas Kneib, Peter Bühlmann
Conditional Transformation Models by Example

12.00 - 13.20 Contributed session 2 chair: Gianfranco Lovison

12.00 - 12.20 Juliane Manitz, Thomas Kneib
Model-based source estimation during foodborne disease outbreaks

12.20 - 12.40 Gwenaël G.R. Leday, Aad W. van der Vaart, Mark A. van de Wiel
An empirical Bayesian ridge approach to modeling the transcriptional effects of DNA copy number aberrations

12.40 - 13.00 Sten Willemsen, Paul H.C. Eilers, Regine Steegers, Emmanuel Lesaffre
A multivariate Bayesian model for human growth

13.00 - 13.20 Thomas Kneib, Elisabeth Waldmann, Fabian Sobotka
Bayesian Expectile Regression

13.20 - 15.00 Lunch
15.00 - 16.40 Contributed session 3  
chair: Ardo Van den Hout

15.00 - 15.20 Robson J. M. Machado, Cibele M. Russo  
Semiparametric partially nonlinear mixed-effects models with P-splines

15.20 - 15.40 Gilbert MacKenzie, Il Do Ha  
The role of Frailty in survival studies

15.40 - 16.00 Kathakali Ghosh Mukherjee, Claire Miller, Adrian W Bowman, Gregor Thut  
Characterisation and Mixed Effects Models for EEG Signals

16.00 - 16.20 Benjamin Saefken, Sonja Greven, Thomas Kneib  
Estimating prediction error in mixed models

16.20 - 16.40 Mariangela Scandra, Gianfranco Lovison  
Model interpretation from the additive elements of the PWRSS in GLMMs

16.40 - 17.00 Coffee break

17.00 - 18.40 Contributed session 4  
chair: Thomas Kneib

17.00 - 17.20 Maria Iannario, Domenico Piccolo  
A proposal for modelling overdispersion in ordinal data

17.20 - 17.40 Michaela Dvorzak, Helga Wagner  
Sparse Bayesian modeling of underreported count data

17.40 - 18.00 Ernst C. Wit, Ivan Vujacic, Javier Gonzalez  
Inference of non-linear ODE dynamics

18.00 - 18.20 Marco Enea, Antonella Plaia, Vincenza Capursi  
Modeling confidential data via modified hurdle mixed models

18.20 - 18.40 Anestis Touloumis  
A GEE Approach for Correlated Ordinal and Nominal Multinomial Responses

20.00 → Welcome reception
09.00 - 10.20 Contributed session 5  

09.00 - 09.20 Smitha Ankinakatte, David Edwards  
The analysis of discrete longitudinal data using acyclic probabilistic finite automata

09.20 - 09.40 Carmen Armero, Peter J. Diggle, Anabel Forte, Héctor Perpiñán  
Markov mixture models for analyzing the evolution of chronic kidney disease in children

09.40 - 10.00 Vandna Jowaheer, Brajendra Sutradhar, Rajendra Neupane  
Likelihood Analysis For An Incomplete Longitudinal Hemoglobin Data

10.00 - 10.20 Nicholas Mesue, Tapio Nummi  
Testing of Growth Curves using Cubic Smoothing Splines: A Multivariate Approach

10.20 - 10.50 Coffee break

10.50 - 11.50 Invited Speaker  

Ciprian Crainiceanu, Vadim Zipunnikov, Jiawei Bai  
Science to data to statistical models

11.50 - 13.30 Contributed session 6  

11.50 - 12.10 Antonino Abbruzzo, Ivan Vujacic, Ernst C. Wit, Angelo M. Mineo  
Model selection for penalized Gaussian Graphical Models

12.10 - 12.30 Veronika Ročková, Emmanuel Lesaffre  
Bayesian Sparse Factor Regression Approach to Genomic Data Integration

12.30 - 12.50 Wolfgang Pößnecker, Gerhard Tutz  
Variable Selection and Shrinkage of Varying to Fixed Effects in Finite Mixtures of Generalized Linear Models

12.50 - 13.10 Philippe Lambert  
A new flexible family of conditional Archimedean copulas

13.10 - 13.30 Stijn Jaspers, Marc Aerts, Geert Verbeke  
Estimation of an MIC distribution using a two-stage semi-parametric mixture model

13.30 - 15.50 Poster session (accompanied by lunch and ice creams!)

15.50 - 17.30 Contributed session 7  

15.50 - 16.10 Carlo G. Camarda, Paul H.C. Eilers, Jutta Gampe  
Exploratory Exponential Tilting

16.10 - 16.30 Andreas Mayr, Florian Faschingbauer, Matthias Schmid  
Boosting sonographic birth weight estimation
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.30 - 16.50</td>
<td>Giada Adelfio, Marcello Chiodi</td>
<td>Mixed estimation technique in semi-parametric space-time point processes for earthquake description</td>
</tr>
<tr>
<td>16.50 - 17.10</td>
<td>María Oliveira, Rosa María Crujeiras, Alberto Rodríguez-Casal</td>
<td>CircSiZer for exploring circular data</td>
</tr>
<tr>
<td>17.10 - 17.30</td>
<td>Paul H.C. Eilers</td>
<td>Harmonic Histograms: Smoothing of Grouped Circular Data Distributions</td>
</tr>
<tr>
<td>17.30 - 17.50</td>
<td></td>
<td>Coffee break</td>
</tr>
<tr>
<td>17.50 - 19.10</td>
<td>Contributed session 8</td>
<td>chair: Dimitrios Stasinopoulos</td>
</tr>
<tr>
<td>17.50 - 18.10</td>
<td>Francisco Cueva, Emilio Porcu, Ronny Vallejos</td>
<td>A nonparametric study of the spatial association between forest variables</td>
</tr>
<tr>
<td>18.10 - 18.30</td>
<td>Francesco Finazzi, Claire Miller, Marian Scott</td>
<td>A model-based clustering approach for the analysis of environmental time series</td>
</tr>
<tr>
<td>18.30 - 18.50</td>
<td>Madawa P. Weerasinghe Jayawardana Rathambalage, Georgy Sofronov</td>
<td>GAMLSS and Extended Cross-Entropy Method to Detect Multiple Change-Points in DNA Read Count Data</td>
</tr>
<tr>
<td>18.50 - 19.10</td>
<td>Daniel A. Molinari, Ludger Evers, Adrian W. Bowman</td>
<td>Posterior approximations for Gaussian models with “non-detect” data</td>
</tr>
</tbody>
</table>
09.00 - 10.40 **Contributed session 9**  
*chair:* Maria Durban

09.00 - 09.20 Vincent Bremhorst, Philippe Lambert  
Estimation of the Latent Distribution in Cure Survival Models using a Flexible Cox Model

09.20 - 09.40 Kevin Burke and Gilbert MacKenzie  
Multi-Parameter Regression Survival Models

09.40 - 10.00 Jonathan Gellar and Ciprian Crainiceanu  
Cox Regression Models with Functional Covariates

10.00 - 10.20 Mbéry Séné, Carine A. Bellera, Cécile Proust-Lima  
Joint modeling of longitudinal and time-to-event data with application to the prediction of prostate cancer recurrence

10.20 - 10.40 Ardo van den Hout, Graciela Muniz  
Joint models for discrete longitudinal outcome and survival

---

10.40 - 11.10 **Coffee break**

---

11.10 - 12.10 **Invited Speaker**  
*chair:* Paul Eilers

Geoffrey J. McLachlan, Sharon X. Leemaqz  
On Finite Mixtures of Skew Distributions

---

12.10 - 13.30 **Contributed session 10**  
*chair:* Philippe Lambert

12.10 - 12.30 Anna Gottard  
A joint Bradley-Terry model for tennis tournaments via Data Cloning

12.30 - 12.50 Ioannis Kosmidis, David Firth  
Reduced-bias inference for multi-dimensional Rasch models with applications

12.50 - 13.10 Jean Peyhardi, Catherine Trottier, Yann Guédon  
A unifying framework for specifying generalized linear models for categorical data

13.10 - 13.30 Gunther Schauberger, Gerhard Tutz  
DIF-LASSO: Differential Item Functioning in Rasch Models

---

13.30 → **Lunch + excursion**
09.00 - 10.40 Contributed session 11  

09.00 - 09.20 Carlo G. Camarda, Niel Hens, Paul H.C. Eilers  
Modelling Social Contact Data: a smoothing constrained approach

09.20 - 09.40 Gianluca Frasso, Paul H.C. Eilers  
L-surface and V-valley for multi-dimensional smoothing parameter selection

09.40 - 10.00 Dae-Jin Lee, María Durbán  
Spatio-temporal seasonal data modelling and forecasting with penalized smooth-ANOVA models

10.00 - 10.20 María Xosé Rodríguez - Álvarez, Dae - Jin Lee, Thomas Kneib, María Durbán, Paul H.C. Eilers  
Fast algorithm for smoothing parameter selection in multidimensional P-splines

10.20 - 10.40 Kukatharmini Tharmaratnam, Linn Cecilie Bergersen, Ingrid K. Glad  
Nonlinear Monotone Regression for High-dimensional Data

10.40 - 11.10 Coffee break

11.10 - 12.10 Invited Speaker

11.10 - 11.30 Stefano M. Iacus, Gary King  
How Coarsening Simplifies Matching-Based Causal Inference Theory

12.10 - 12.50 Contributed session 12  

12.10 - 12.30 Nicholas T. Longford  
Decision theory for some elementary statistical problems

12.30 - 12.50 Erlis Ruli, Laura Ventura, Walter Racugno  
Approximate Bayesian inference based on modified log-likelihood ratios

12.50 - 13.20 SMS AGM & 29th IWSM advertisement

Arnošt Komárek (Statistical Modelling Society Executive Committee)  
Annual General Meeting of the Statistical Modelling Society

Thomas Kneib (29th IWSM Local Organizing Committee)  
Advertisement 29th IWSM

13.20 - 15.40 Poster session (accompanied by lunch and ice creams!)
15.40 - 17.00 Contributed session 13  
chair: Ruggero Bellio

15.40 - 16.00 Enrico A. Colosimo, André G.F.C. Costa, Leila Amorim  
Marginal Models for the Association Structure of Hierarchical Binary Responses

16.00 - 16.20 Roberto Colombi, Sabrina Giordano  
Marginal Parameterizations for Hidden Markov Models

16.20 - 16.40 Helga Wagner, Regina Tüchler  
Bayesian Factorization Model for Analysing Mixed Data

16.40 - 17.00 Xanthi Pedeli, Konstantinos Fokianos, Mohsen Pourahmadi  
Cholesky decomposition for multivariate volatilities

17.00 - 17.20 Coffee break

17.20 - 18.40 Contributed session 14  
chair: Helga Wagner

17.20 - 17.40 Ruth Nysen, Marc Aerts, Christel Faes  
Model averaging quantiles for censored data

17.40 - 18.00 Fabian Sobotka, Andreas Mayr, Thomas Kneib  
Fractile Boosting: a novel approach to mode regression

18.00 - 18.20 Bruno Santos, Heleno Bolfarine  
A two-part model using quantile regression under a Bayesian perspective

18.20 - 18.40 Elisabeth Waldmann, Anke Stein, Thomas Kneib  
Bivariate Bayesian Quantile Regression

20.30 → Social dinner
09.30 - 10.50 Contributed session 15  

chair: Angelo Mineo

09.30 - 09.50 Irene L. Hudson, Shalem Y. Leemaqz, David Darwent, Greg Roach, Drew Dawson  
SOM clustering and modelling of Australian railway drivers’ sleep, wake, duty profiles

09.50 - 10.10 Elizabeth M. Sweeney, Russel T. Shinhara, Joshua T. Vogelstein, Daniel S. Reich, Ciprian M. Crainiceanu  
Do not use a cannon to kill a mosquito: a comparison of supervised classification algorithms in the context of MS lesion segmentation in structural MRI

10.10 - 10.30 Sabine K. Schnabel, Paul H.C. Eilers, Fred A. van Eeuwijk  
Modelling plant height data with scaled and shifted prototype curves

10.30 - 10.50 Jan van de Kassteele, Agnetha Hofhuis, Peter Teunis, Wilfrid van Pelt  
Modeling the risk of *Borrelia* infection after a tick bite - a Bayesian approach

10.50 - 11.20 Coffee break

11.20 - 12.20 Invited Speaker  

chair: Gerhard Tutz

Hein Putter, Mia Klinten Grand  
Regression Models for Expected Length of Stay

12.20 - 13.40 Contributed session 16  

chair: Brian Marx

12.20 - 12.40 James P. McKeone, Anthony N. Pettitt  
Bayesian P-splines with a multiplicative term in EMG trace data

12.40 - 13.00 Massimo Ventrucci, Daniela Cocchi, E. Marian Scott  
Bayesian P-spline models for land use raster datasets

13.00 - 13.20 Robert J. Adler, Kevin Bartz, Samuel C. Kou, Anthea Monod  
A Topological Approach to the Statistical Estimation of Random Field Thresholds

13.20 - 13.40 Edward I. George, Veronika Ročková, Emmanuel Lesaffre  
Faster Spike-and-Slab Variable Selection with Dual Coordinate Ascent EM

13.40 → Lunch
28th IWSM 2013 - Poster Presentations

**Poster session 1:** Tuesday 9th, Lunchtime

1. Alicja Wolny-Dominiak  
   A Score Test for Zero-adjusted Effect in Claim Severity Modeling.

2. Bruce J. Worton, Chris R. McLellan  
   Hidden Markov modelling of diffusion with an application in entomology.

3. Emily Yeend, Deborah Costain, Karen Broadhurst  
   Modelling Children’s Journeys in Care: A Multistate Modelling Approach.

4. Steven Abrams, Niel Hens  
   Extending frailty models applied to infectious disease epidemiology.

5. Larissa A. Matos, Victor H. Lachos  
   Influence diagnostics in mixed-effects models with censored data using the multivariate-t distribution.

6. Jiawei Bai, Bing He, Thomas A. Glass, Ciprian M. Crainiceanu  
   Two valid and interpretable metrics to summarize raw accelerometry data.

7. Ahmed S. Bani-Mustafa, Kenan M. Matawie  
   Recursive Residuals Application in Linear Mixed Models.

   Modelling the growth of Abdominal Aortic Aneurysms using mixed effects regression with autocorrelated residuals.

9. M. Bazzi, P. Tellaroli  
   Finding profiles in time-course gene expressions.

10. Ruggero Bellio, Paolo Vidoni  
    A note on improved random effects prediction in GLMMs.

11. Betsabé G. Blas Achié, Marcos Antonio A. Pereira  
    Calibration model with scale mixtures of skew-normal distributions.

12. Elizabeth Martínez-Gómez, Victor Guerrero, Francisco Estrada  
    An Application of The Vector AutoRegression (VAR) Model to The Analysis of The Sun–Earth’s Climate Connection.

13. Isabella Sulis, Vincenza Capursi  
    Analyzing SET over time using multilevel multidimensional explanatory IRT models.

14. Marcos H. Cascone, Larissa A. Matos, José A. G. Campos  
    Nonparametric method for treatment comparison in the winemaking process.

15. Manuela Cattelan, Cristiano Varin  
    Marginal modeling of dependent paired comparison data.

16. Jona Cederbaum, Sonja Greven  
    Functional Linear Mixed Models for Sparsely and Irregularly Sampled Data.

17. Vasiliki Christou, Konstantinos Fokianos  
18. Juliana Cobre, Mário de Castro
Bayesian inference for a family based on the Weibull and the power series distributions.

19. Audrey H.M.A. Cysneiros, Mariana C. Araújo
Corrected Profile Likelihood in Heteroscedastic Symmetric Nonlinear Model.

20. Ivan Luciano Danesi, Steven Haberman, Pietro Millossovich
Mortality forecasting for related populations using Lee-Carter type models.

21. Maria Del Pilar Díaz, José M. Vargas, Margarita Díaz
Multilevel factor models: Identification of Three-level Model Parameters for the Study of Regional Development in Argentina.

22. Vinny Davies and Dirk Husmeier
Assessing the impact of non-additive noise on modelling transcriptional regulation with Gaussian processes.

23. Margaret R. Donald, Ashwin Unnikrishnan, John E. Pimanda, Susan R. Wilson
Model Comparisons for RNA-Seq data.

24. Lizandra C. Fabio, Francisco José A. Cysneiros, Gilberto A. Paula
Marginal models from exponential family mixed models with nonormal random effect distribution.

25. Zhou Fang
Sparse Penalised Methods in Phenology.

26. Susana Faria, A. Manuela Gonçalves, Rui Gomes
Modelling Occupational Stress and Burnout in Portuguese University Teachers by using Structural Equation Models.

27. Alessandro Fassò
Traffic policies and air quality in Italian cities.

28. Giancarlo Ferrara, Francesco Vidoli
Beyond the threshold: the efficiency of Italian manufacturing firms.

29. Álvaro J. Flórez, Ana Nora A. Donaldson, Mercedes Andrade, Javier Torres, Nairn Wilson
Handling missing data in longitudinal studies: an application to healthcare data.

30. Agnes Fussl, Sylvia Frühwirth-Schnatter, Christine Zulehner
Bayesian estimation of a discrete choice model for household labor supply in Austria.

31. Kelly Gallacher, Claire Miller, Marian Scott
Comparison of GAM, FDA and DFA for water quality data.

32. Jan Gertheiss, Henk A.L. Kiers
Penalized Non-Linear Principal Components Analysis for Ordinal Variables.

33. Viviana Giampaoli, Olga Usuga, Patricia Bertolotto
Selection of mixed beta regression model for longitudinal data.

34. Gustavo L. Gilardoni, Maria Luiza G. de Toledo, Marta A. Freitas, Enrico A. Colosimo
Dynamics of the Optimal Maintenance Policy under Imperfect Repair Models.

35. Dulce Gomes, Patrícia A. Filipe, Carla Nunes, Bruno de Sousa
Penalized spline smoothing for delay in Pulmonary Tuberculosis diagnosis.

36. Arminda Manuela Gonçalves, Marco Costa, Lara Teixeira
Change-point analysis for in environmental time series.
37. Radek Hendrych  
   Another View on Conditional Correlations.

38. Lasse Holmström, Ilkka Launonen  
   Posterior Singular Spectrum Analysis (PSSA).

39. Samuel Iddi, Geert Molenberghs  
   A Zero-Inflated and Overdispersed Marginalized Model for Correlated Counts.

40. Nadja Klein, Thomas Kneib, Stefan Lang  
   Bayesian generalized additive models for location, scale and shape for insurance data.
Poster session 2: Thursday 11th, lunchtime

41. Raquel Caballero-Águila, Irene García-Garrido, Josefa Linares-Pérez
Optimal least-squares linear centralized filter for systems with autocorrelated and cross-correlated noises.

42. Serena Arima
Item selection via Bayesian graded response model.

43. Susana Faria, Gilda Soromenho
Measuring the component overlapping in mixtures of linear regressions.

44. Bernhard Klingenberg
On a null variance estimator for the Mantel-Haenszel risk difference and corresponding confidence interval.

45. Arnošt Komárek, Tomáš Kinel, Lenka Komářková
Model based segmentation of TV advertising scheduling patterns.

46. Antonio J. López-Montoya, Concepción Azorit, Irene García-Garrido, Ramón Gutiérrez, Javier Moro
Statistical Models to Density-dependence Detection in Mediterranean Deer Populations.

47. Francisco Louzada, Vicente G. Cancho, Glagys D.C. Barriga, Dipak K. Dey
The Birnbaum-Saunders survival model with cure fraction under different of activation mechanisms.

48. Benn Macdonald, Frank Dondelinger, Dirk Husmeier
Inference in complex biological systems with Gaussian processes and parallel tempering.

49. Ivana Malá
Modelling of the distribution of incomes with the use of finite mixtures of distributions.

50. Valentina Mameli, Monica Musio, Luca Deiana
Study of the longevity in Sardinia: an application of the Beta skew-normal regression.

51. Raquel Caballero-Águila, Irene García-Garrido, Josefa Linares-Pérez
Distributed fusion filtering using correlated missing observations from multiple sensors.

52. Giada Adelfio, Giovanni Boscaino
The student talent in a random effects Quantile Regression Model for university performance.

53. Mónica López-Ratón, Carmen Cadarso-Suárez, Elisa M. Molanes-López, Emilio Letón
GsymPoint: An R Package for estimating the Generalized Symmetry Point as the optimal cutpoint in continuous diagnostic tests.

54. Silvia Metelli, Leonardo Grilli, Carla Rampichini
Bayesian estimation with INLA for logistic multilevel models.

55. Radoslava Mirkov, Thomas Maul, Ronald Hochreiter
Modeling Credit Spreads Using Nonlinear Regression.

56. Ana Moreira, Luís Machado
Estimation of the conditional survival function for successive survival times.

57. Jesús Navarro-Moreno, Rosa M. Fernández-Alcalá, Juan Carlos Ruiz-Molina, Antonia Oya
A Quaternion Widely Linear Series Expansion.
58. Darcy Steeg Morris  
A Semiparametric Approach for Multivariate Longitudinal Count Data.

59. Federica Nicolussi  
Smooth Graphical models of type II: link with marginal models.

60. Luigi Pace, Alessandra Salvan, Nicola Sartori  
Adjusted pseudo composite likelihood ratios.

61. Juan Carlos Pardo-Fernández, M. Dolores Jiménez-Gamero, Anouar El Ghouch  
On the use of the characteristic function of the residuals to test for the equality of regression curves.

62. Daniela Pauger, Christine Duller, Helga Wagner  
Analysing Formalisation of Management Accounting by Bayesian Variable Selection in a Cumulative Logit Model.

63. Gleici Castro Perorna, Francisco Louzada, Cleyton Zanardo, Hayala Cavenague  
A New Weibull Family of Hazard Models for Breast Cancer Survivals.

64. Anthony N. Pettitt, Xing Ju Lee  
Approximate Bayesian Computation for Model Choice.

65. Christian Pfeifer, Achim Zeileis, Peter Höller  
Trend and regional analysis of fatal off-piste and backcountry avalanche accidents in Austria within the years 1968 and 2011.

66. Aluísio Pinheiro, Pranab Kumar Sen  
Functional Data Analysis via Quasi U-Statistics Based Tests.

67. Holger Reulen, Thomas Kneib  
Boosting Multi State Models.

68. Silvia Rizzi, Jutta Gampe, Paul H.C. Eilers  
Efficient ungrouping of coarse histograms with the penalized composite link model.

69. Antonio José Sáez-Castillo, Antonio Conde-Sánchez, Ana María Martínez-Rodríguez  
A hyper-Poisson regression model for zero-truncated count data.

70. Stuart J. Sharples, Deborah A. Costain, Chris Sherlock  
Predicting future offending in adolescents from a longitudinal survey with missing responses.

71. Danilo A. Silva, Cibele M. Russo  
Comparison of estimation methods for variance components in elliptical mixed effects models.

Childhood Leukaemia incidence around the Belgian nuclear sites: Surrogate exposure modelling.

73. Slawomir Smiech, Monika Papiez  
Exploratory data analysis of energy security in the EU member countries in the period 2000-2010.

74. Katia Stefanova  
Statistical model for multi-environment trials: Accounting for variety by environment interaction.
75. Isabella Sulis, Mariano Porcu
Handling missing data in Item Response Theory. Assessing the accuracy in estimation of two multiple imputation procedures.

76. Karin A. Tamura, Viviana Giampaoli, Alexandre Noma
Nearest Neighbors Prediction Method for mixed logistic regression.

77. Célia Touraine, Pierre Joly
Illness-death model for interval-censored and left-truncated data with random effects: Application to dementia.

78. Gerhard Tutz, Margret-Ruth Oelker
Modeling heterogeneity by fixed effects models.

79. Yannick Vandendijck, Christel Faes, Hens Niel
Weight smoothing models to estimate survey estimates from binary data.

80. Luis Hernando Vanegas, Gilberto A. Paula
Symmetric and log-symmetric regression models: a semiparametric approach.
<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening (9:00-9:10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 1 (9:10-10:30)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (10:30-11:00)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Invited talk 1 (11:00-12:00) Hothorn</td>
<td>Invited talk 2 (10:50-11:50) Craineceanu</td>
<td>Invited talk 3 (11:10-12:10) McLachlan</td>
<td>Invited talk 4 (11:10-12:10) Iacus</td>
<td></td>
</tr>
<tr>
<td>Contributed session 2 (12:00-13:20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lunch (13:20-15:00)</td>
<td>Lunch + excursion (13:30→)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSTER SESSION (accompanied by lunch) (13:30-15:50)</td>
<td>POSTER SESSION (accompanied by lunch) (13:20-15:40)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 3 (15:00-16:40)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (16:40-17:00)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 4 (17:00-18:40)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welcome reception Steri Complex (20:00→) R. Lagalla, Rector University of Palermo L. Orlando, Mayor of Palermo</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 5 (9:00-10:20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (10:20-10:50)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 6 (11:50-13:30)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 7 (15:50-17:30)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 8 (17:50-19:10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 9 (9:00-10:40)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (10:40-11:10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 10 (12:10-13:30)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 11 (9:00-10:40)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (10:40-11:10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 12 (12:10-12:50)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMS AGM &amp; 29th IWSM advert (12:50-13:20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 13 (15:40-17:00)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (17:00-17:20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 14 (17:20-18:40)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (17:00-17:20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 15 (9:30-10:50)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee break (10:50-11:20)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributed session 16 (12:20-13:40) Bye bye</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>