

34th IWSM 2019 – Schedule

Monday July 8th

08.15-09.15	Registration	
09.15-09.30	Opening	
09.30-10.50	Contributed Session 1	Chair:
09.30-09.50	Iain Currie : Invariance and the forecasting of mortality	
09.50-10.10	Carlo G. Camarda : Forecasting vital rates from demographic summary measures	
10.10-10.30	Ana C. Guedes, Francisco Cribari-Neto , Patrícia L. Espinheira: Improved likelihood ratio testing inferences for unit gamma regressions	
10.30-10.50	Soraia Pereira , P. Pereira, M. de Carvalho, P. de Zea Bermudez: Calibration of extreme values of simulated and real data	
10.50-11.20	Coffee Break	
11.20-12.20	Invited Talk 1	Chair:
	Julio Singer , Francisco Rocha, António Carlos Pedroso-de-Lima, Giovani Silva, Giuliana Coatti, Mayana Zatz: Random change point segmented regression with smooth transition: an example with lateral amyotrophic sclerosis data	
12.20-13.00	Contributed Session 2	Chair:
12.20-12.40	Michael Lebacher , Gooran Kauermann: Regression-based Network Reconstruction with Covariates and Random Effects	
12.40-13.00	Pedro A. Morettin , Jhames M. Sampaio: Stable Randomized Generalized Autoregressive Conditional Heteroskedastic Models	
13.00-14.20	Lunch	
14.20-15.40	Contributed Session 3	Chair:
14.20-14.40	Jeffrey S. Simonoff , Ningshan Zhang: Joint latent class trees: A tree-based approach to joint modeling of time-to-event and longitudinal data	
14.40-15.00	Srimanti Dutta , Arindom Chakraborty: Two-step method for Joint Models of Longitudinal and Time-to-event Data	
15.00-15.20	Ruben Amoros , Ruth King, Hidenori Toyoda, Takashi Kumada, Philip J Johnson, Thomas G Bird: A longitudinal continuous time hidden Markov model on serum biomarkers for the early detection of hepatocellular carcinoma	
15.20-15.40	Timo Adam , Roland Langrock, Christian H. Weiss: Nonparametric inference in hidden Markov models for time series of counts	
15.40-16.10	Coffee Break	
16.10-17.10	Contributed Session 4	Chair:
16.10-16.30	Marc Schneble , Goran Kauermann: Estimation of Latent Network Flow in Bike-Sharing Systems from Station Feeds	
16.30-16.50	Gareth Ridall , George, M., Pettitt A. N.: Fast sequential Bayesian analysis of football scores illustrating the evolution of the styles and strengths of each of the British premier league football sides over two decades	
16.50-17.10	Santhosh Narayanan , Ioannis Kosmidis, Petros Dellaportas: Flexible multivariate point processes with applications to modelling football matches	
18.30-20.30	Welcome Reception : Martins Sarmiento archaeological museum	

Tuesday July 9th

08.40-10.00	Contributed Session 5	Chair:
08.40-09.00	Mátyás Constans , Attila Lovas, Péter Sótonyi, Brigitta Szilágyi: Non-parametric learning algorithm for evaluating the influence of environmental factors on sudden medical emergencies	
09.00-09.20	Chien-Yu Peng : Degradation Models in Reliability Analysis	
09.20-09.40	Nicolò Margaritella , Vanda Inácio de Carvalho, Ruth King: Bayesian functional PCA clustering with applications in neuroscience	
09.40-10.00	Paul S. Clarke and Yanchun Bao: Estimating mode effects from a sequential mixed-modes experiment	
<hr/>		
10.00-10.30	Coffee Break	
<hr/>		
10.30-11.15	Special Session in honor of Murray Aitkin	Chair: John Hinde
10.30-10.45	Introduction by John Hinde	
10.45-11.15	Murray Aitkin : Statistical modelling for income inequality comparisons	
<hr/>		
11.15-11.55	Contributed Session 6	Chair:
11.15-11.35	Lisa Schlosser , Moritz N. Lang, Torsten Hothorn, Georg J. Mayr, Reto Stauffer, Achim Zeileis: Distributional Trees for Circular Data	
11.35-11.55	Mauro Bernardi, Daniele Durante, Paola Stolfi : Bayesian Probit Classification Trees	
<hr/>		
11.55-12.55	Invited Talk 2	Chair:
	Peter Diggle , Katharine Owers, Max Eyre: Longitudinal modelling of leptospirosis prevalence using serial dilution assay data	
<hr/>		
12.55-14.30	Lunch	
<hr/>		
14.30-15.50	Contributed Session 7	Chair:
14.30-14.50	Jacobo de Uña-Álvarez : The competing risks model with interval sampling	
14.50-15.10	Rosario Barone , Andrea Tancredi: Markov Chain Monte Carlo methods for discretely observed continuous-time multi-state semi-Markov models	
15.10-15.30	Rafael Pimentel Maia , Clarice Garcia Borges Demétrio, Rodrigo Labouriau: A discrete competing risks mixed model with masked causes: a cow longevity study	
15.30-15.50	Sina Mews , Roland Langrock, Ruth King, Julia Schemm, Irina Janzen, Nicola Quick: A continuous-time capture recapture model for annual movements of bottlenose dolphins	
<hr/>		
15.50-17.10	Poster Session (with Coffee Break)	
<hr/>		
17.10-18.30	Contributed Session 8	Chair:
17.10-17.30	Paul Wiemann , Thomas Kneib: Studying the Softplus Function as a Response Function in Regression Models	
17.30-17.50	Gianluca Sottile , Vito MR Muggeo: Non-crossing quantile regression via monotone B-spline varying coefficients	
17.50-18.10	Herwig Friedl , Sanela Omerovic: Mixtures of Generalized Nonlinear Models	
18.10-18.30	Xanthi Pedeli , Dimitris Karlis: Multivariate surveillance using a multivariate integer-valued time series model	

Wednesday July 10th

08.40-10.00	Contributed Session 9	Chair:
08.40-09.00	Trung Dung Tran , Emmanuel Lesaffre, Geert Verbeke, Joke Duyck: Latent Ornstein-Uhlenbeck models for Bayesian analysis of multivariate longitudinal categorical responses	
09.00-09.20	Nadja Klein , Thorsten Simon and Nikolaus Umlauf: Neural Network Regression with an Application to Leukaemia Survival Data - An Unstructured Distributional Approach	
09.20-09.40	Serena Arima , S. Poletini: Variable selection in small area model with measurement error in covariates	
09.40-10.00	Marius Otting , Roland Langrock, Antonello Maruotti: A copula-based multivariate hidden Markov model for modelling momentum in football	
10.00-10.30	Coffee Break	
10.30-11.30	Invited Talk 3	Chair:
	Adrian Bowman , Stanislav Katina, Liberty Vittert: Statistics with a Human Face	
11.30-12.50	Contributed Session 10	Chair:
11.30-11.50	Lucas M. Oliveira , Fernanda De Bastiani, Dimitrios M. Stasinopoulos, Robert A. Rigby: Simultaneous autoregressive models within GAMLSS	
11.50-12.10	Vanda Inácio de Carvalho , María Xosé Rodríguez-Álvarez, Nadja Klein: Density regression via penalised splines dependent Dirichlet process mixture of normals models	
12.10-12.30	Fiona Steele , Emily Grundy: Random effects dynamic panel models for unequally-spaced responses	
12.30-12.50	Brian D. Marx , Bin Li: Robust Penalized Signal Regression	
12.50-14.15	Lunch	
14.15-18.30	Excursion	

Thursday July 11th

08.40-10.00	Contributed Session 11	Chair:
08.40-09.00	Wenyu Wang , Ardo van den Hout: Non-parametric Frailty Models for Cardiac Allograft Vasculopathy Data	
09.00-09.20	Andreas Groll, Maïke Hohberg : An adaptive lasso Cox frailty model for time-varying covariates based on the full likelihood	
09.20-09.40	de Carvalho, V. I., Vanda M. Lourenço , de Carvalho, M.: Robust inference for ROC regression	
09.40-10.00	Miguel de Carvalho , R. Rubio, M. Leonelli: Learning and modelling dependence structures with diagonal distributions	
10.00-10.30	Coffee Break	
10.30-11.30	Invited Talk 4	Chair:
	Philippe Lambert: Inference based on Laplace approximations in nonparametric additive location-scale model for right- or interval censored data	
11.30-11.50	Contributed Session 12	Chair:
	Eduardo Elias Ribeiro Jr, Clarice Garcia Borges Demétrio , John Hinde: COM-Poisson models with varying dispersion	
11.50-12.30	SMS AGM & IWSM 35 Advert	
12.30-14.00	Lunch	
14.00-15.20	Contributed Session 13	Chair:
14.00-14.20	Malgorzata Roos , Haakon Bakka, Havard Rue: Sensitivity and identification quantification by a relative latent model complexity perturbation in the Bayesian meta-analysis	
14.20-14.40	Emmanuel Lesaffre , Luis Adrian Quintero, Geert Verbeke: Selecting the Number of Factors in Bayesian Factor Analysis	
14.40-15.00	Andreas Mayr , Leonie Weinhold, Stephanie Titze, Matthias Schmid: Boosting health-related quality of life via distributional beta regression	
15.00-15.20	Thomas Kneib , Nadja Klein, Nikolaus Umlauf and Stefan Lang: Modular Regression - A Lego System for Building Structured Additive Distributional Regression Models with Tensor Product Interactions	
15.20-15.50	Coffee Break	
15.50-16.30	Contributed Session 14	Chair:
15.50-16.10	Andrea Sottosanti , Mauro Bernardi, Luis Campos, Aneta Siemiginowska and David van Dyk: Continuous time hidden Markov models for astronomical gamma-ray light curves	
16.10-16.30	Jennifer Pohle , Marius Otting, Frants Havmand Jensen, Roland Langrock: Modeling interactions between individuals using coupled hidden Markov models	
16.30-17.10	Special Session devoted to <i>Statistics Portugal</i>	Chair:
16.30-16.50	Inês Rodrigues : Synthetic data as Public Use Files: an application to the Household Budget Survey	
16.50-17.10	Pedro Campos , Suelma Pina, A. Manuela Gonçalves: Small Area Estimation for Land Use and Land Cover	
20.00	Conference Dinner – Pousada Mosteiro Santa Marinha	

Friday July 12th

08.40-10.00	Contributed Session 15	Chair:
08.40-09.00	David Moriña , Juan M. Leyva-Moral, Maria Feijoo-Cid, Pedro Puig: Intervention analysis based on INAR models with applications in public health	
09.00-09.20	Wende Clarence Safari , Ignacio López-de-Ullibarri, María Amalia Jácome: Nonparametric cure rate estimation when cure is partially known	
09.20-09.40	Inês Sousa , Adriana Vieira, Luís Castro: Longitudinal models with informative time measurements	
09.40-10.00	Zhen Chen , Soutik Ghosal: Diagnostic accuracy of ultrasound measures on large for gestational age: a Bayesian regression model for ROC curves with constraints	
10.00-10.30	Coffee Break	
10.30-11.30	Invited Talk 5	Chair:
	Maria Antónia Amaral Turkman , Kamil Feridun Turkman, Paula Pereira, Soraia Pereira, Miguel de Carvalho, Patrícia de Zea Bermudez: Calibration methods for spatial risk analysis	
11.30-12.45	Contributed Session 16	Chair:
11.30-11.50	Janet van Niekerk , Haakon Bakka and Havard Rue: A cohesive Bayesian approach to competing risks models	
11.50-12.10	Fernanda de Bastiani , Robert A. Rigby Dimitrios M. Stasinopoulos and Gillian Z. Heller: A skewness and kurtosis comparison for continuous distributions	
12.10-12.30	Theo Economou , Matthew B. Menary: A latent state model for characterising regime shifts in ocean density	
12.30-12.50	Pedro Puig , David Moriña, Isabel Serra, Álvaro Corral: Estimation of the probability of a giant 'doomsday' solar geomagnetic storm	
12.50-13.00	Bye Bye	
13.00-14.30	Lunch	
