



Joint Meeting METMA VII and GRASPA14

University of Torino, 10-12 September 2014



September 10, 2014

Chair	Time	Session	Title
	08:30 - 09:15	Registration	
	09:15 - 09:45	OPENING	
Alessandro FASSO'	09:45 - 10:45	Keynote speaker 1 -- Alfred STEIN	Modeling spatial uncertainty with random sets for edge detection from satellite images
	10:45 - 11:15	coffe break	
Michela CAMELETTI	11:15 - 11:45	Poster Snapshot Session 1	
Lola UGARTE	11:45 - 12:25	Contributed Session 1	Functional clustering
		Gaetan, Girardi, Pastres Bongiorno, Goia	The role of spatial dependence on the functional clustering based on the smoothing splines regression Clustering for functional data
	12:25 - 12:50	Invited speaker 1 -- Rosa CRUJEIRAS	Directional-linear nonparametric regression for wildfire analysis
	12:50 - 14:20	lunch	
Francisco ALONSO	14:20 - 14:55	Invited speaker 2 -- Daniela COCCHI	Individual design based prediction: the assistance from spatial relationships
	14:55 - 15:35	Contributed Session 2	Spatial sampling
		Bruno, Cocchi, Vagheggini Bohorquez, Giraldo, Mateu	Individual spatial prediction under the design-based framework Dynamic Spatial Sampling
Michela CAMELETTI	15:35 - 16:10	Poster Snapshot Session 2	
	16:10 - 16:40	coffe break	
Raquel MENEZES	16:40 - 17:20	Contributed Session 3	Spatial methods
		Alonso, Bueso, Angulo Romero Béjar, Angulo Ibáñez	Dependence assessment based on generalized relative complexity measures: application to sampling network design On excursion probabilities for a class of non-stationary random fields
Michela CAMELETTI	17:20 - 17:55	Poster Snapshot Session 3	
	18:00 - 20:30	Social Activity: guided walking tour around Torino City Centre	

September 11, 2014

Chair	Time	Session	Title
Jorge MATEU	09:00 - 10:00	Keynote speaker 2 -- Rick SCHOENBERG	Review of model evaluation techniques for space-time point processes
	10:00 - 10:35	Invited speaker 3 -- Lola RUIZ MEDINA	Fractional pseudodifferential modeling through spatiotemporal duality applied to Geosciences
	10:35 - 11:05	coffe break	
Josè Miguel ANGULO	11:05 - 12:05	Contributed Session 4	Analysis of meteorological data
		Ambach, Schmid Oesting, Bel, Lantuéjoul Militino, Ugarte, Goicoa, Genton	Evaluating Different Periodic Seasonal Time Series Model for Efficient Short-Term Wind Speed Prediction Sampling from Max-Stable Processes Conditional on a Homogeneous Functional via an MCMC Algorithm Alternative Spatio-temporal models for daily rainfall prediction in Navarre
	12:05 - 12:40	Invited speaker 4 -- Giada ADELFIGIO	Space-time Point Processes semi-parametric estimation with predictive measure information
	12:40 - 14:10	lunch	
Giovanna JONA LASINIO	14:10 - 14:45	Invited speaker 5 -- Luigi IPPOLITI	Regression Analysis in a Data Rich Environment
	14:45 - 15:45	Contributed Session 5	Bayesian models
		Solana-Gutierrez, Thomas Bruno, Greco, Ventrucci Del Sarto, Ranalli, Bakar, Cappelletti, Moroni, Crocchianti, Castellini	A Bayesian state space model for estimating wild boar dynamic population in a hunting estate Regression on compositional covariates: assessing substrate suitability for vegetation Bayesian spatio-temporal modeling of urban air pollution dynamics
	15:45 - 16:15	coffe break	
Michela CAMELETTI	16:15 - 17:15	Poster Session and Ballot	
Marcello CHIODI	17:15 - 17:55	Contributed Session 6	Space-time applications I
		Altieri, Scott, Cocchi, Illian Bobbia, Misiti, Misiti, Poggi, Portier	A Bayesian changepoint analysis of spatio-temporal point processes, with application to radioactive particle data Spatial outlier detection in the air quality monitoring network of Normandy (France)
	18:00 - 19:00	GRASPA general meeting	
	20:30 - ...	Social dinner	

September 12, 2014

Chair	Time	Session	Title
Daniela COCCHI	09:30 - 10:30	Keynote speaker 3 -- Abdel EL SHARAAWI	Space Time Analysis of Environmental Data: Some Canadian Examples
	10:30 - 11:05	Invited speaker 6 -- Tomás GOICOA	Age-space-time models for mapping cancer mortality rates
	11:05 - 11:35	coffe break	
Wenceslao GONZALEZ-MANTEIGA	11:35 - 12:55	Contributed Session 7	Space-time applications II
		Menezes, Piairo, Garcia-Soidán, Sousa Chernyavskiy, Hudac, Molfese, Marx Esquivel, Angulo Gneuß, Schmid, Schwarze	Spatial-Temporal modelization of the NO2 concentration data in mainland Portugal Using the Spatio-Temporal Variogram for the Classification of Electroencephalographic (EEG) Assessment Non-extensive analysis of the seismic activity involving the 2011 volcanic eruption in El Hierro Spatio-temporal statistical analysis of the carbon footprint of the terrestrial vegetation
	12:55 - 14:25	lunch	
Alessio POLLICE	14:25 - 15:00	Invited speaker 7 -- Annibale BIGGERI	Comparison of Loss Functions in Spatial Epidemiologic Surveillance
	15:00 - 15:40	Contributed Session 8	Environmental assessment
		Margalho, Menezes, Sousa Lucarelli, Mazziotta, Talucci, Ungaro	Spatio-temporal modelling in the presence of few time points Composite Index for Measuring Italian Regions' Environmental Quality Over Time
	15:40 - 16:00	CLOSING and poster AWARDS	
	16:00 - 16:30	GOODBYE coffee break	

Poster Snapshot Sessions

Number	Authors	Title
Poster Snapshot Session 1		
1	García-Soidán and Menezes	Construction of probability maps under local stationarity
2	Fernández-Casal and García-Soidán	Bandwidth selection for local linear estimation of the spatial trend
3	Fernández-Casal, Francisco-Fernández, Quintela-del-Río and Castillo-Páez	Nonparametric geostatistical risk mapping
4	Mutambanengwe, Faes and Aerts	A restricted composite likelihood approach to modelling Gaussian geostatistical data
5	Berchiolla, Blangiardo, Cameletti, Finazzi, Franco-Villoria and Ignaccolo	Spatial model for cardio-respiratory diseases hospital admission in Torino province
6	Smith, Schwab and Marx	Spatial Simulation and Estimation of Generalized Linear Mixed Models with Non-Normal Data
7	Ippoliti, Di Zio, Fontanella and Martin	Optimal Network Designs for Spatial Prediction
8	Sarra and Nissi	Cost-effectiveness analysis of radon control actions
9	Juan, Mateu and Díaz-Avalos	Non-Gaussian spatial modelling of Chagas disease in Argentina
10	Aubin and Bertrand-Krajewski	Analysis of Continuous Time Series in Urban Hydrology: Filling Gaps and Data Reconstitution
Poster Snapshot Session 2		
11	Arcuti, Pollice, Ribecco and Tursi	Bayesian delta normal spatio-temporal model for zero inflated biological data
12	Jona Lasinio, Pollice, Arima, Rosati, Castaldelli, Fano and Basset	Biodiversity partitioning for transitional water ecosystems
13	Mejía-Domínguez, Díaz-Ávalos and Ochoa-Ochoa	Spatial autocorrelation in species distribution models: autologistic model with covariates vs. BioMod
14	Di Battista, Fortuna, Giordani and Valentini	Bayesian spatial SEM for lichen biodiversity
15	Romano, Mateu and Vlad	Measuring contour functions deformation by Principal Differential Analysis: a distance based approach for the analysis of Glioblastoma Multiform
16	Sun, Hering and Nychka	A Semi-Parametric Method for Robust Multivariate Error Detection in Skewed Functional Data with Application to Historical Radiosonde Winds
17	Ramirez	Spatial econometric model of the Ecological Footprint
18	Finazzi and Fassò	Earthquake monitoring using volunteer smartphone-based sensor networks
19	Zeleny and Marx	Modeling Multivariate Time Series with Uneven Spacing on Multiple Time Scales to Estimate Large Scale Time Trend
20	Álvarez and Martín	One-tailed asymptotic inferences for a proportion
21	González, Hahn and Mateu	Analysis of spatio-temporal point patterns with replication
Poster Snapshot Session 3		
22	Carot and Mateu	Spatio-temporal classification in point patterns under the presence of clutter
23	Omidi, Ayyad, Mateu, Mohammadzadeh and Tamayo	Spatial clustering analysis using copulas and point patterns
24	Rodríguez-Cortés, Ghorbani and Mateu	Local indicators of spatio-temporal association: LISTA functions
25	Pereira and Turkman	A Marked Spatio-Temporal Point Process Model for Forest Fires in Portugal
26	Bruno, Cocchi, Greco and Scardovi	Addressing the change of support problem with non Gaussian distributions: an application to hourly rainfall prediction
27	Calculli, Turnone, Finazzi, Pollice and Fassò	Jointly modelling air quality and meteorological variables using the D-STEM software
28	Franco-Villoria and Ignaccolo	Kriging uncertainty for functional data: a comparison study
29	Ribeiro, Amaral-Turkman and Cardoso	Generalized dynamic linear models: An application to Portugal road accident data
30	Juan, Serra, Varga and Saez	Temperature prediction analysis considering an optimal distribution of stations: clusters or randomly
31	Fassò, Finazzi, Mahaki and Rabiei	Statistical analysis of water policies, air quality and climate in Isfahan
32	Marcon, Padoan, Naveau and Muliere	Nonparametric estimation of the dependence among multivariate rainfall maxima

Poster Snapshot Session

Participants in the "Poster Track" will provide a brief overview of their poster in 2 minutes (with 1 slide) to the rest of the participants.

Poster Session and Ballot

Participants in the "Poster Track" will stand by their poster for discussion and questions.

All participants will be encouraged to vote for their favorite poster to award the "Best Poster Prize".