

IFCS 2015 CONFERENCE PROGRAM AT A GLANCE

Conference location: University of Bologna



Sunday, 5th July 2015

15.00 - 18.00

Workshop (via Belle Arti, 41)

Fionn Murtagh: The New Science of Big Data Analytics, Based on the Geometry and the Topology of Complex Systems

Monday, 6th July 2015

from 8.30	Start registration				
9.00 - 9.30	Opening ceremony (Room Aula Magna, Department of Physics and Astronomy, via Irnerio 46)				
9.30 - 10.30	30th Birthday IFCS (Room Aula Magna, Department of Physics and Astronomy, via Irnerio 46)				Chair: Francesco Palumbo
10.30 - 11.00	Coffee Break				
11.00 - 13.00	Plenary invited: Generalized Additive Models — 25 years (Room Aula Magna, Department of Physics and Astronomy, via Irnerio 46)				Chair: Angela Montanari
	GAMs - a retrospective - Robert Tibshirani				
	GAM selection via convex optimization - Trevor Hastie				
	Lunch Break				
14.00 - 15.20	SP1: Benchmarking in cluster analysis I - I. Van Mechelen (Chair: Nema Dean) - Room I	SP2: Classification Models for Forecasting of Economic Processes (Chair: J.Pociecha) - Room III	CONTR1: Questionnaire based surveys (Chair: S. Mignani) Room 1	CONTR2: Methods for the analysis of large data sets (Chair: B. Mirkin) - Room 21	CONTR3: Clustering Agreement (Chair: F. Murtagh)- Room 31
	Douglas L. Steinley, Iven Van Mechelen, and the IFCS Task Force on Benchmarking	Mateusz Baryla, Barbara Pawelek, Jozef Pociecha	Justyna Brzezińska-Grabowska, Aneta Rybicka, Adam Sagan	Matteo Farnè	Patrice Bertrand, Lassad El Moubarki, Ghazi Bel Mufti
	Christian Hennig	Andreas Geyer-Schulz, Thomas Hummel, Claire Roederer, Victoria-Anne Schweigert	Michel Meulders	Jan Kalina	Marjan Cugmas, Anuška Ferligoj
	Lisa Doove, Iven Van Mechelen, Tom Wilderjans, and Antonio Calcagni	Krzysztof Jajuga	Niels Smits	Hiroyuki Minami, Masahiro Mizuta	Mario Fordellone, Francesco Palumbo
	Discussant: Willem Heiser	Andrzej Pawel Woloszyn, Romana Glowicka-Woloszyn, Feliks Wysocki	Graziano Vernizzi, Miki Nakai	Silke Janitza, Anne-Laure Boulesteix	Matthijs J Warrens
15.30 – 16.30	SP3: Measuring systemic risk to classify financial institutions (Chair: P. Giudici) – Room I	SP4: Mixture Models: Recent Developments and Applications for Unsupervised and Supervised Classification (Chair: G. McLachlan) – Room III	SP5: Data Streams Clustering and Classification (Chair: R. Verde) – Room 1	CONTR4: Missing Data (Chair: P. Monari) - Room 21	CONTR5: Functional Data I (Chair: D. Calò) - Room 31
	Raffaella Calabrese, Johan A. Elkink	Laura Anderlucci, Geoff McLachlan	Antonio Balzanella, Antonio Irpino, Rosanna Verde	Agostino Di Ciaccio	Tomasz Górecki, Waldemar Wolynski
	Shatha Qamhieh Hashem, Paolo Giudici	Francesca Greselin, Agustin Mayo-Iscar, Luis-Angel Garcia-Escudero	Francesca Di Salvo, Marcello Chiodi, Pietro Patricola, Fabrizio Mineo, Claudio Lo Piccolo	Lynette Hunt	Francesca Ieva, Anna Maria Paganoni, Nicholas Tarabelloni
	Alessandro Spelta	Shu-Kay (Angus) Ng	Antonio Irpino, Francisco De Assis Tenhorio De Carvalho, Rosanna Verde	Nadia Solaro, Daniela Lucini, Massimo Pagani	Christina Yassouridis
16.30 – 17.00	Coffee Break				
17.00 – 18.40	CONTR6: Clustering Methods and Data Fusion (Chair: F. Palumbo) - Room I	CONTR7: Supervised Learning I (Chair: C. Hennig) - Room III	CONTR8: Advances in k-means clustering (Chair: H. H. Boch) - Room 1	CONTR9: Regression Models (Chair: F. Greselin)– Room 21	CONTR10: Network Analysis (Chair: A. Ferligoj) – Room 31
	François Bavaud, Pascale Deneulin, Laurent Gautier, Yves Le Fur	Hong Gu	Slavka Bodjanova	Serena Arima	Jernej Bodlaj, Vladimir Batagelj
	Susana Nascimento, Boris Mirkin, Sérgio Casca	Toby Kenney	Renato Cordeiro de Amorim, Vladimir Makarenkov	Gertjan van den Burg, Patrick Groenen	Sadaaki Miyamoto

Khadidja Henni, Olivier Alata, Abdellatif El Idrissi, Brigitte Vannier, Lynda Zaoui, Ahmed Moussa	Taerim Lee	Yasunori Endo	Katrijn Van Deun, Eva Ceulemans	Agnieszka Stawinoga, Simona Balbi, Germana Scepi
Monia Ranalli	Michal Trzesiok	Marcelo Ferreira, Francisco de Carvalho	Marlies Vervloet, Katrijn Van Deun, Wim Van den Noortgate, Eva Ceulemans	Luisa Stracqualursi, Patrizia Agati
Maurizio Salusti	Samuel L. Ventura, Rebecca Nugent		Priyantha Wijayatunga	Sugnet Lubbe, Felix Dube, Mark Nicol, Heather Zar

19.15

Welcome Reception (at **Accademia di Belle Arti**, via delle Belle Arti 54)

Tuesday, 7th July 2015

9.00 – 10.00	SP6: Density-based clustering (Chair: G. Galimberti) - Room I	SP7: Accuracy and validation in clustering and scaling models I (Chair: J. F. Vera) - Room III	SP8: Multi-Dimensional Scaling for Sparse Association Matrices (Chair: T. Imaizumi)- Room 12	SP9: Data science in Biomedical Research (Chair: B. Lausen) - Room 21	CONTR11: Change-point Detection (Chair: C. Conversano) - Room 31
	Geoff McLachlan, Sharon Lee	Eva Boj del Val, Teresa Costa Cor, Josep Fortiana Gregori	Tadashi Imaizumi	Hans Kestler	Jedelyn Cabrieto, Francis Tuerlinckx, Eva Ceulemans
	Giovanna Menardi, Domenico De Stefano	Jose Luis Vicente-Villardón, Julio Cesar Hernandez-Sanchez	Atsuhō Nakayama	Matthias Schmid, Marvin Wright, Andreas Ziegler	Carlo Drago, Fabio Matano, Germana Scepti
	Surajit Ray	José Fernando Vera	Satoru Yokoyama	Berthold Lausen, Asma Gul, Zardad Khan, Osama Mahmoud	Kuniyoshi Hayashi, Koji Kurihara
10.15 – 11.00	Plenary invited: Focused graphical model estimation (President's invited lecture) - Gerda Claeskens - Room I -				Chair: Maurizio Vichi
11.00 – 11.30	Coffee Break				
11.30 – 13.10	SP10: Cluster Analysis of Asymmetric Relationship (Chair: A. Okada) - Room I	CONTR12: Dissimilarity and Distance Measures (Chair: A. Irpino) - Room III	CONTR13: Multiple Correspondence Analysis (A. Iodice D'Enza) - Room 12	CONTR14: Methods for DNA data (Chair: A. Tenenhaus) - Room 21	CONTR15: Applied classification and clustering (Chair: T. Imaizumi) - Room 31
	Innar Liiv	Ahmed Najeeb Albatineh	Barbara Batóg, Jacek Batóg, Wanda Skoczylas, Andrzej Niemiec, Piotr Waśniewski	Alia Dehman, Guillem Rigaiil, Pierre Neuvial, Christophe Ambroise	Nicolas Greffard, Pascale Kuntz
	Facundo Memoli	Agnieszka Bernadetta Kozera, Aleksandra Łuczak, Feliks Wysocki	Belchin Kostov, Mónica Bécue-Bertaut, François Husson	Marcelo Ferreira, Ivan Costa	Guillaume Guex, Théophile Emmanouilidis, François Bavaud
	Miki Nakai	Gabriel Martos Venturini	Odysseas Moschidis, Theodore Chadjipadelis	Evgeny Mirkes, Thomas Walsh, Edward J Louis, Alexander N Gorban	Fuchen Liu, Yves Rozenholc, Charles-André Cuénod
	Akinori Okada, Satoru Yokoyama	Pascal Préa, François Brucker	Fionn Murtagh	Teppeï Shimamura, Yusuke Matsui	Boris G. Mirkin, Mikhail A. Orlov
	Donatella Vicari	Zdenek Sulc, Hana Rezankova	Johané Nienkemper-Swanepoel, Sugnet Lubbe, Niël le Roux, Emilee Smith, Heather Zar, Mark Nicol	Makoto Tomita	Gabriella Schoier, Patrizia De Luca
13.10 – 14.10	Lunch Break				
14.10 – 14.55	Presidential Address "Hierarchical Disjoint Non-negative Factor Analysis" – M. Vichi - Room I -				Chair: Akinori Okada
14.55 – 15.40	Award Session - Room I -				Chair: Salvatore Ingrassia
15.40 – 16.10	Coffee Break				
16.10 – 17.30	SP11: Benchmarking in cluster analysis II (Chair: I. Van Mechelen) - 2 - Room I	SP12: New trends and applications of alternating least squares in data analysis (Chairs: Y. Mori, K. Adachi)- Room III	SP13: Analysis of multivariate longitudinal data (Chair: P. Giordani) - Room 12	CONTR16: Symbolic Data (Chair: Rosanna Verde) - Room 21	CONTR17: Non gaussian mixture models and model selection (Chair: Cinzia Viroli) - Room 31
	Friedrich Leisch and the IFCS Task Force on Benchmarking	Maria Brigida Ferraro, Paolo Giordani, Maurizio Vichi	Francesca Martella, Marco Alfò, Paolo Giordani	Carmela Cappelli, Pierpaolo D'Urso, Francesca Di Iorio	Ryan Browne
	Anne-Laure Boulesteix	Alfonso Iodice D'Enza, Michel van de Velden, Patrick J.F. Groenen	Mai Sherif Hafez, Irini Moustaki, Jouni Kuha	Yusuke Matsui, Teppeï Shimamura	Brian C. Franczak, Ryan P. Browne, Paul D. McNicholas
	Nema Dean, Duncan Lee, and Craig Anderson	Michio Sakakihara, Msahiro Kuroda, Yuichi Mori, Msaya Ilzuka	Joke Heylen, Iven Van Mechelen, Eiko Fried, Eva Ceulemans	Masahiro Mizuta, Hiroyuki Minami	Cristina Tortora
	Discussant: Rainer Dangl	Jun Tsuchida, Hiroshi Yadohisa	Marieke Timmerman, Eva Ceulemans, Henk Kiers	Marcin Pelka, Aneta Rybicka, Justyna Brzezinska-Grabowska	
17.30 – 19.00	Council Meeting/ PRIN MISURA workshop - Chair: P. Giudici (Room III)				
18.45	Bus Departure for the Conference Dinner at Palazzo Albergati				

Wednesday, 8th July 2015

9.00 – 10.00	SP14: Mixture models in Biology (Chair: S. Ingrassia) - Room I	SP15: Statistical models for ordinal data (Chair: S. Cagnone) - Room III	SP16: Joint Multivariate Data Reduction (Chairs: A. Iodice D'Enza, M. Van de Velden) - Room 12	SP17: Accuracy and validation in clustering and scaling models II- J. F. Vera (Chair: Marc Comas) - Room 21	CONTR18: Cluster Validation (Chair: T. Lee) - Room 31
	Marco Alfo', Maria Francesca Marino, Francesca Martella Jeanine Houwing-Duistermaat	Silvia Bacci, Francesco Bartolucci, Leonardo Grilli, Carla Rampichini Stefania Capecchi, Domenico Piccolo	Alfonso Iodice D'Enza, Michel van de Velden, Francesco Palumbo Henk Kiers, Donatella Vicari, Maurizio Vichi	Álvaro Gómez-Losada, José F. Vera-Vera Sonia Amodio, Antonio D'Ambrosio, Carmela Iorio, Roberta Siciliano	Dario Bruzzese, Domenico Vistocco Rainer Dangl, Friedrich Leisch
	Saverio Ranciati, Cinzia Viroli, Ernst Wit	Rosaria Romano	Michio Yamamoto	Marc Comas-Cufí, Josep Antoni Martín Fernández, Glòria Mateu Figueras	Dominik Ernst, Friedrich Leisch
10.15 – 11.00	Plenary invited: Modern multivariate data analysis through monitoring - Marco Riani - Room I -				Chair: Andrea Cerioli
11.00 – 11.30	Coffee Break				
11.30 – 12.50	SP18: IASC session on Bilinear models and regularization (Chair: P. Groenen) - Room I	SP19: Multivariate Visualisation and Discrimination (Chair: S. Lubbe) - Room III	CONTR19: Mixture Models (Chair: P. Schlattmann) - Room 12	CONTR20: Bayesian Clustering (Chair: J. Vermunt) - Room 21	CONTR21: Longitudinal and Spatial Data (Chair: J.G. Dias) - Room 31
	Cajo ter Braak, María Xosé Rodríguez-Álvarez, Martin Boer, Paul Eilers, Havard Rue Patrick J.F. Groenen, Julie Josse	Zsuzsa Bakk, Niel Le Roux, Jeroen Vermunt Nelmarie Louw	Kim De Roover, Jeroen K. Vermunt, Marieke E. Timmerman, Eva Ceulemans Andrea Pastore	Lori Dalton Antonio Lijoi, Bernardo Nipoti, Igor Pruenster	Francesca Bassi, Bruno Scarpa Ewa Genge, Joanna Trzysiok
	Pieter Schoonees	Martin Philip Kidd, Martin Kidd, Surette Bierman	Fumitake Sakaori	Silvia Liverani	Fumio Ishioka, Koji Kurihara
	Arthur Tenenhaus, Laurent Le Brusquet	Karen Vines	Monica Hiu Tung Wong	Nadine Schröder, Harald Hruschka	Andrzej Sokolowski, Malgorzata Markowska, Marek Sobolewski, Danuta Strahl, Sabina Denkowski
12.50 – 14.00	Lunch Break				
14.00 – 14.45	Plenary invited: Removing Unwanted Variation for classification and clustering - Terry Speed - Room I -				Chair: Geoff McLachlan
14.45 – 15.30	Poster Session				
15.30 – 16.15	Coffee Break				
16.15 – 17.35	SP20: What's the best cluster analysis method? (Chair: C. Hennig) - Room I	CONTR22: Longitudinal Data (Chair: S. Bianconcini) - Room III	CONTR23: Functional Data II (Chair: A. Luati) - Room 12	SP21: New developments in Classification and Regression Trees (Chair: E. Dusseldorp) - Room 21	CONTR24: Supervised Learning II (Chair: S. Ingrassia) - Room 31
	Margareta Ackerman	José G. Dias	Claudio Agostinelli, Renata Rotondi, Elisa Varini	Claudio Conversano, Massimo Cannas, Francesco Mola	Brenton S. Blair, Herbert K. H. Lee
	Joachim M. Buhmann	Dereje W. Gudicha	Carlo Gaetan, Paolo Girardi, Roberto Pastres	Michel Philipp, Thomas Rusch, Kurt Hornik, Carolin Strobl	Mark De Rooij
	Paul McNicholas	Tom F Wilderjans, Eva Ceulemans	Matilde Trevisani, Arjuna Tuzzi	Marjolein Fokkema	Elaine Fehrman, Awaz K Muhammad, Evgeny Mirkes, Vincent Egan, Alexander N Gorban
	Doug Steinley			Xinru Li, Elise Dusseldorp, Jacqueline Meulman	Carmen Villar-Patiño, Carlos Cuevas-Covarrubias
17.40	Closing Ceremony				