

Wednesday 25 March 2020

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| 8:00 - 8:45 | Registration | Note participants must sign the attendance sheet every day. Only this way they can be reimbursed! |
| | | NETWORK STRUCTURE (Chair: Ernst Wit) |
| 8:45-9:00 | Opening | Ernst Wit, Anuska Ferligoj |
| 9:00-9:30 | Keynote 1 | Networks and symbolic data analysis, Vladimir Batagelj (Ljubjana) |
| 9:30-9:50 | Contributed 1 | A Bootstrap Algebraic MultiGrid method for Spectral Clustering, Luisa Cutilo (Leeds) |
| 9:50-10:10 | Contributed 2 | Model selection and simplification using lattices, Jaromir Antoch (Prague) |
| 10:10-10:30 | Contributed 3 | Identifying the crucial centrality metrics of contact networks in risk assessment of hospital-associated infections, Andrzej Jarynowski (IRI, Wrocław) |
| 10:30-11:00 | Break | |
| | | NETWORKS IN BIOLOGY (Chair:) |
| 11:00-11:20 | Contributed 4 | Construction of Circular-Circular Graphical Network via Simulated and Real Data, Elif Doğan Dar (METU, Ankara) |
| 11:20-11:40 | Contributed 5 | Bayesian structural learning of Multiple Essential Graphs, Stefano Peluso (Cattolica, Milano) |
| 11:40-12:00 | Contributed 6 | Introducing a general class of species diversification models for phylogenetic trees, Francisco Richter (Groningen) |
| 12:00-12:30 | Keynote 2 | BINDER: computationally inferring a gene regulatory network for <i>Mycobacterium abscessus</i>, Claire Gormley (UCD) |
| 12:30-13:45 | Lunch | |
| | | NETWORK COMPUTATION (Chair:) |
| 13:45-14:05 | Contributed 7 | Red Light - Green Light Solution Method for Large Markov Chains, Nelly Litvak (Twente) |
| 14:05-14:25 | Contributed 8 | A Simple Algorithm for Scalable Monte Carlo Inference, Maksym Byshkin (Università della Svizzera italiana) |
| 14:25-14:45 | Contributed 9 | On the Mathematics of Approximate Bayesian Computation, Marco Tarsia (INSUBRIA) |
| 14:45-15:05 | Contributed 10 | Functional Graph-based Representation and Learning for Environmental Threats Detection, Slobodan Lukovic (Università della Svizzera italiana) |
| | | POSTERS (Chair:) |
| 15:05-15:45 | 1-minute poster talks | |
| 15:45-17:30 | Poster Session + Drinks | |

Thursday 26 March 2020

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| 8:30 - 9:00 | Registration | Note participants must sign the attendance sheet every day. Only this way they can be reimbursed! |
| | | TEMPORAL NETWORKS (Chair:) |
| 9:00-9:30 | Keynote 3 | Intermediacy of publications: Uncovering important publications for the development of a field, Lovro Šubelj (Ljubljana) |
| 9:30-9:50 | Contributed 11 | Network of scientific collaboration measured as a time-stamped data, Luka Kronegger (Ljubjana) |
| 9:50-10:10 | Contributed 12 | Tempus Volat, Hora Fugit - A Survey of Tie-Oriented Dynamic Network Models in Discrete and Continuous Time, Cornelius Fritz (LMU) |
| 10:10-10:30 | Contributed 13 | The Erasmus students' mobility network, Silvia Leoni (Macerata) |
| 10:30-11:00 | Break | |
| | | DESIGN AND CAUSALITY (Chair:) |
| 11:00-11:20 | Contributed 14 | Bayesian inference of causal effects from observational data in Gaussian graphical models, Guido Consonni (Cattolica, Milano) |
| 11:20-11:40 | Contributed 15 | Designing Experiments on Networks – a review, Ben Parker (Brunel, London) |
| 11:40-12:00 | Contributed 16 | Designing experiments in the presence of network interference, Vasiliki Koutra (King's College London) |
| 12:00-12:20 | Contributed 17 | Causal Trees for Heterogeneous Treatment and Spillover Effects under Clustered Network Interference, Falco J. Bargagli Stoffi (IMT Lucca) |
| 12:20-13:30 | Lunch | |
| | | EPIDEMICS AND INFECTIONS (Chair:) |
| 13:30-13:50 | Contributed 18 | Patient movements in a hospital network in Norway, Gianpaolo Scalia Tomba (Tor Vergata) |
| 13:50-14:20 | Keynote 4 | Epidemics, population structure and networks, Valerie Isham (UCL) |
| 14:30-23:00 | Visiting Ljubljana | |

Friday 27 March 2020

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| 8:30 - 9:00 | Registration | Note participants must sign the attendance sheet every day. Only this way they can be reimbursed! |
| | | SOCIAL NETWORKS (Chair: Claudia Klüppelberg) |
| 9:00-9:30 | Keynote 5 | On misspecification of statistical network models, Viviana Amati (ETH Zurich) |
| 9:30-9:50 | Contributed 19 | Missing data treatments for the network data, Anja Znidarsic (Ljubljana) |
| 9:50-10:10 | Contributed 20 | Analysis of Empirical Networks with the Generalised Hypergeometric Ensemble of Random Graphs, Giona Casiraghi (ETH, Zurich) |
| 10:10-10:30 | Contributed 21 | Modelling Node Heterogeneity in Latent Space Models for Multidimensional Networks, Silvia D'Angelo (UCD) |
| 10:30 -11:00 | Break | |
| | | NETWORKS DATA SCIENCE (Chair: Anuska Ferligoj) |
| 11:00-11:20 | Contributed 22 | Mobility related to work for cities and urban areas in Poland in terms of graph theory measures - comparison of classification based on administrative division and DEGURBA (Tomasz Klimanek, Polish Statistics, Poznan) |
| 11:20-11:40 | Contributed 23 | Network Analysis of Commuting Flows in Poland. A Comparative Static Approach, Mariola Chrzanoska (Warsaw University of Life Sciences) |
| 11:40-12:00 | Contributed 24 | Educational Game for Learning Network Science, Innar Liiv (Tallinn University of Technology) |
| 12:00-12:30 | Keynote 6 | Network Data Science, Ulrik Brandes (ETH Zurich) |
| 12:30-14:00 | Lunch & departure | |