TUESDAY 25/9   ROOM 1

09:00 – 09:45 A multi-level networks' perspective on complex urban systems | Celine Rozenblat

09:45 – 10:30 Long-term ecology of investors in a financial market | Rosario Nunzio Mantegna

10:30 - 11:00 Coffee break

11:00 – 11:30 Percolation in scale-free multiplex networks | Jose Mendes

11:30 - 11:45 Influence of Word of Mouth Interactions vs. Mass Media Effects on Opinion Formation and Accuracy | Elpida Tzafestas

11:45 - 12:00 The Dynamics of Defining Levels in the Design of Multilevel Complex Systems | Richard Charlesworth, Jeff Johnson

12:00 - 12:15 Emergence of Memory in Random Walks on Temporal Networks | Julien Petit, Martin Gueuning, Renaud Lambiotte, Timoteo Carletti

12:15 - 12:30 Quantifying spatial heterogeneity through random walks | Sandro Sousa, Vincenzo Nicosia

12:30 - 12:45 Community detection in networks with unobserved edges | Till Hoffmann, Leto Peel, Renaud Lambiotte, Nick Jones

12:45 - 13:00 Using Temporal Network Data to Distinguish Scale-Free Topology Generators | Naomi Arnold, Raul Mondragon, Richard Clegg

13:00 – 14:30 Lunch Break

14:30 - 15:15 Activity Matters: Modeling Complex Systems Beyond Complex Networks | Frank Schweitzer

15:15 – 16:00 Multilayer networks: from fundamental theory to applications | Ginestra Bianconi

16:05 – 16:09 Reactive explorers to unravel network topology | Ihusan Adam, Timoteo Carletti, Duccio Fanelli, Giacomo Innocenti

16:09 – 16:13 Interaction Pattern with Kin Through The Life Course: Mobile Phone Call Patterns using Anonymised Last Names | Sebastian Diaz, Loreto Bravo, Tamas David-Barrett, Carlos Rodriguez-Sickert

16:13 – 16:17 Analysis and prediction of gas and crude oil weekly prices using non linear methods | Lykoyrgos Magafas, Michael Hanias, Emanouela Samakou

16:17 – 16:21 Simple Spatial Scaling Rules behind Complex Cities | Ruiqi Li

16:21 – 16:25 Debye–Huckel theory for refugees' migration | Sara Najem

16:25 – 17:00 Coffee break

17:00 - 17:15 The information double-diamond diagram: a coarse-grained description of information sharing and constraints | Fernando Rosas, Pedro A.M. Mediano

17:15 - 17:30 Price of Anarchy in Undirected Networks with Variable Sources and Sinks | Oliver Smith, Keith Hopcraft, Reuben O'Dea, John Crowe

17:30 - 17:45 Input-output maps are strongly biased towards simple outputs | Kamaludin Dingle, Chico Camargo, Ard Louis

17:45 - 18:00 Evaluation of Collaborative Consumption of Food Delivery Services through Web Mining Techniques | Juan C. Correa, Wilmer Garzon, Phillip Brooker, Gopal Sakarkar, Steven Carranza, Leidy Yunado, Alejandro Rincon

18:00 - 18:15 Understanding the driving mechanisms in Temporal Networks based on bitcoin transaction data | Ayana Aspembitova, Ling Feng, Valentin Melnikov, Lock Yue Chew

18:15 - 18:30 Emergent Geometry and Complexity | Daan Mulder, Ginestra Bianconi

18:30 - 18:45 Information-theoretic complexity of multiplex networks | Andrea Santoro, Vincenzo Nicosia

18:45 - 19:00 River deltas through the lens of their channel networks: Inferring process from form and delta self-organization | Alejandro Tejedor, Anthony Longjas, Efi Foufoula-Georgiou

TUESDAY 25/9   ROOM 2

11:00 - 11:15 | **Iterative Algorithms for Complex Causal Network Discovery** | Jakub Korenek, Jaroslav Hlinka

11:15 - 11:30 | **Coupled Dynamical Systems and Defense-Attack Networks: Representation of Soccer Players Interactions** | Victor Rivera, Yesid Madrid, Wilmer Leal, Guillermo Restrepo, Carlos Gershenson, Nelson Fernandez

11:30 - 11:45 | **Sampling biases in social networks with community structure** | Luis Enrique Correa Rocha

11:45 - 12:00 | **Inference in the Kinetic Ising Model with Incomplete Datasets** | Carlo Campajola, Daniele Tantari and Fabrizio Lillo

12:00 - 12:15 | **Assessment of Biodiversity Metacommunity Resilience via Neutral Models** | Matteo Convertino and James Valverde

12:15 - 12:30 | **Disease Localization in Multilayer Networks** | Guilherme Ferraz de Arruda, Emanuele Cozzo, Tiago Peixoto, Francisco Rodrigues and Yamir Moreno

12:30 - 12:45 | **Opinion Spreading on Complex Networks with Local and Global Interactions** | Angelika Abramiuk, Arkadiusz Jedrzejewski, Bartlomiej Nowak and Katarzyna Sznajd-Weron

12:45 - 13:00 | **Remote synchronization in populations of Kuramoto oscillators** | Albert Diaz-Guilera and Gemma Rosell-Tarrago

17:00- 17:15 | **Generalized Network Dismantling** | Xiao-Long Ren, Niels Gleinig, Dirk Helbing and Nino Antulov-Fantulin

17:15 - 17:30 | **Landscape as a complex system to study interactions between human beings and environment: coupling local knowledge and remote sensing to highlight landscape structure and dynamics** | Christophe Demichelis

17:30 - 17:45 | **The Rich Dynamics of Phase-Phase Oscillator Networks** | Deniz Eroglu, Zachary G. Nicolaou and Adilson E. Motter

17:45 - 18:00 | **Functional Synchronization Invariance Under Network Structural Transformations** | Luis Arola, Alex Arenas and Albert Diaz-Guilera

18:00 - 18:15 | **Synergistic cumulative contagion in epidemic spreading** | Xavier R. Hoffmann Marian Boguna

18:15 - 18:30 | **Uncertainty reduction for stochastic processes on complex networks** | Filippo Radicchi Claudio Castellano

18:30 - 18:45 | **Spreading of n Cooperative Pathogens: Exact Solution of Meanfield Approximations** | Fatemeh Zarei, Fakhteh Ghanbarnejad, Saman Moghimi-Araghi

18:45 - 19:00 | **Algebraic growth of infected clusters on heterogeneous networks** | Mi Jin Lee Deok-Sun Lee

TUESDAY 25/9   ROOM 3

11:00 - 11:15

Mapping the discourse on Smart Cities by means of NLP (Natural Language Processing) and complex network analysis

|Efrat Blumenfeld-Lieberthal, Nimrod SerokOrLevy,ElyaL Milner, Shlomo Havlin

11:15 - 11:30

A Practical Quantum Simulator for non-Markovian, Complex Processes

|Felix Binder, Jayne Thompson and Mile Gu

11:30 - 11:45

Hijacking Network Traffic: Temporal Analysis of Adverse Changes in the Internet Topology

| Pablo Moriano, Raquel Hill and Jean Camp

11:45 - 12:00

Estimation of economic indicator from big blog data

|Kenta Yamada, Hideki Takayasu, Midsako Takayasu

12:00 - 12:15

Spreading and influence of misinformation and traditional fact-based news in Twitter | Alexandre Bovet, Hernan Makse

12:15 - 12:30

Modeling pedestrian mobility using ICTs data: the problem of tourist flows in Venice | Armando Bazzani, Sandro Rambaldi, Alessandro Fabbri, Chiara Mizzi, Flavio Bertini, Stefano Sinigardi, Nico Curti, Rachele Luzi, Giulia Venturi, Davide Micheli, Giuliano Muratore and Aldo Vannelli

12:30 - 12:45

Share precise location: a natural experiment on Twitter users' privacy concerns

| Riccardo Gallotti, Antonia Tugores, Pere Colet, Jose J. Ramasco

12:45 - 13:00

Citation Network Clustering Reveals Motives and Tactics of Litigants in Canadian Court Cases | Joseph Hickey, Lyndsay Campbell and Joern Davidsen

17:00- 17:15

The use of neural network models on short-term prediction of the traffic status: The case study of Thessaloniki | Georgia Aifadopoulou, Charalampos Bratsas, Kleanthis Koupidis, Aikaterini Chatzopoulou, Josep-Maria Salanova, Panagiotis Tzenos

17:15 - 17:30

Human Perception Of Patterns And Randomness As Algorithmic Complexity Over Probabilistic Stack Automata

| Joseph Austerweil, Tom Griffiths, Dylan Daniels, Joshua Tenenbaum

17:30 - 17:45

The evolution of vocabulary vs. the pace of cultural change: quantifying language dynamics at multiple scales

| Ewan Colman, Jose Morales, Sergio Sanchez, Fernanda Sanchez-Puig, Carlos Pineda, Gerardo Iniguez, Cocho Germinal, Jorge Flores and Carlos Gershenson

17:45 - 18:00

Opinion dynamics in political spaces | Eckehard Olbrich, Sven Banisch

18:00 - 18:15

Text Mining the Text Difficulty of Latin American Peace Agreements

| Juan C. Correa Nunez, Maria Del Pilar Garcia-Chitiva,Gustavo Garcia-Vargas

18:15 - 18:30

The Impact of Social Network Topology on Finding Known and Unknown Solutions in Rugged Landscapes | Dan Monster, Riccardo Fusaroli, Kristian Tylen, Andrea Baronchelli

18:30 - 18:45

Measuring Complex Social Interactions in Community Mental Health Care through a Collection of Social Dilemmas| Julian Vicens, Anna Cigarini, Jordi Duch, Angel Sanchez, Josep Perello Xiangpeng Wan, Babak Heydari

18:45 - 19:00

Network Drivers of Team Innovation in Complex Problem Spaces

| Xiangpeng Wan, Babak Heydari

TUESDAY 25/9   ROOM 4

11:00 - 11:15

Autonomous Port Vehicle Fleet Management in Thessaloniki
Georgia Aifadopoulou, George Tsaples Josep-Maria Salanova

11:15 - 11:30

Next Generation Urban Planning: From Protection and Prevention to Adaptability and Resilience
Melissa Bedinger, Kerri Mcclymont, Lindsay Beevers,Guy Walker

11:30 - 11:45

Customer mobility and congestion reduction in supermarkets
Fabian Ying, Mason Porter, Sam Howison,Mariano Beguerisse Diaz

11:45 - 12:00

Mathematical Recasting of Integrated System Design Problems
Andrei Klishin, Colin P.F. Shields, Alec Kirkley, David J. Singer, Greg van Anders

12:00 - 12:15

Comparing Different Artificial Line Limit Methods When Simulation Cascading Failures In A Power Grid
Jonathan Bourne, Elsa Arcuate, Aidan O'Sullivan

12:15 - 12:30

A machine learning approach to traffic forecasting in complex urban networks
Francisco Rodrigues, Luiz Gustavo De Andrade Alves

12:30 - 12:45

The dynamics of city growth observed in Japanese telephone directory data
Takaaki Ohnishi, Takayuki Mizuno and Tsutomu Watanabe

12:45 - 13:00

Robustness of Interdependent Cyber-Physical Systems against Cascading Failures
Yingrui Zhang and Osman Yagan

17:00- 17:15

Maintaining or constructing roads for forest multifunctionality? A modeling approach
Mojtaba Houballah, Jean-Denis Mathias, Thomas Cordonnier

17:15 - 17:30

Antipersistent Fluctuations of Motorway Traffic Flow Cause Broadly Distributed Congestion Durations
Sebastian M. Krause, Lars Habel, Thomas Guhr, Michael Schreckenberg

17:30 - 17:45

Machine Learning Human Risk Perceptions, Induction of Green Behaviours and Support for Climate Policy
Asim Zia

17:45 - 18:00

Lin Similarity for Heterogeneous Data
Fabio Saracco, Giuseppe Trapani, Carolina Becatti,Guido Caldarelli

18:00 - 18:15

Converging to the City: a Myriad Trajectories
Julien Randon-Furling, Madalina Olteanu, William Clark

18:15 - 18:30

Efficiency-based Comparison and Design of Spatial Networks
Ignacio Morer, Alessio Cardillo, Sergi Lozano, Albert Diaz-Guilera,Luce Prignano

18:30 - 18:45

Wealth Inequalities In Climate Actions
Julian Vicens, Nereida Bueno-Guerra, Mario Gutierrez-Roig, Carlos Gracia-Lazaro, Jesus Gomez-Gardenes, Josep Perello, Angel Sanchez, Yamir Moreno, Jordi Duch

18:45 - 19:00

Complex Network Analysis of U.S. Bike Sharing Programs
Ignacio Morer, Alessio Cardillo, Sergi Lozano, Albert Diaz-Guilera,Luce Prignano

TUESDAY 25/9   ROOM 5

11:00 - 11:15 **Dynamics of interacting generalized tipping elements on complex networks**
| Jonathan F. Donges, Ann-Kristin Klose, Ricarda Winkelmann

11:15 - 11:30 **Self-Organization and Time-Stability of Social Hierarchies** | Joseph Hickey, Joern Davidsen

11:30 - 11:45 **Effects of Organizational Network Structure and Task-Related Diversity on Collective Design and Innovation: An Agent-Based Modeling Study**
| Hiroki Sayama, Shelley Dionne, Francis Yammarino, Yiding Cao, Minjun Kim, Neil MacLaren, Ankita Kulkarni

11:45 - 12:00 **Modern Tools for Agent-Based Model Sensitivity Analysis**
Francesco Lamperti, Matteo Ottaviani, Andrea Roventini, Amir Sani

12:00 - 12:15 **Macroprediction of Critical Transitions in Adaptive Networks**
| Leonhard Horstmeyer, Tuan Pham, Jan Korbel, Stefan Thurner

12:15 - 12:30 **A networked voting rule for democratic representation**
| Carlos Gracia-Lazaro, Alexis Hernandez, Edgardo Brigatti, Yamir Moreno

12:30 - 12:45 **Information coarse-graining and emergent coordination among agents in a complex adaptive system**
| Sasidevan Vijayakumar, Appilineni Kushal, Sitabhra Sinha

12:45 - 13:00 **Community Interactions Determine the Role of Species in Parasite Spreading Amplification: the Ecomultiplex Network Model**
| Massimo Stella, Sanja Selakovic, Alberto Antonioni and Cecilia Andreazzi

17:00 - 17:30 **Green Growth, a complex global challenge** | Sarah Wolf

17:30 - 17:45 **Predicting language diversity with complex networks** | Tomasz Raducha, Tomasz Gubiec

17:45 - 18:00 **How ants move: individual and collective scaling properties** | Riccardo Gallotti, Dante Chialvo

18:00 - 18:15 **Diffusion of Information and Role of Individual Prevension Efforts on Epidemic Spread** | Semra Gunduc

18:15 - 18:30 **The Use of Agent-Based Model to Test the Effectiveness of Data Protection Regulation and Policy Design** | Kunbei Zhang, Aernout Schmidt

18:30 - 18:45 **Analysis of the Bitcoin blockchain: Socio-economic factors behind the adoption**
| Francesco Parino, Mariano Gaston Beiro, Laetitia Gauvin

18:45 - 19:00 **Earth system modelling with complex dynamic human societies: the copan:CORE World-Earth modeling framework**
| Jonathan F. Donges, Jobst Heitzig, Wolfram Barfuss, Johannes A. Kassel, Tim Kittel, Jakob J. Kolb, Till Kolster, Finn Muller-Hansen, Ilona M. Otto, Marc Wiedermann, Kilian B. Zimmerer, Wolfgang Lucht

19:00 - 19:15 **Ideological Leashes: Hierarchy and the Drift Towards Crime** | Lucas Almeida

TUESDAY 25/9   ROOM 6

11:00 - 11:15   **Spam, Scam & Ham in Twitter Forex trading signals**
| Petra Kralj Novak, Peter Gabrovsek, Igor Mozetic

11:15 - 11:30   **Requirements for Reliable Detection of Early Warning Signals for Critical Transitions in Time Series Data** |Siew Ann Cheong, Haoyu Wen, Massimo Pica Ciamarra

11:30 - 11:45   **Mesoscopic Financial Network: Sectoral Co-movements and Core-periphery Structure** | Kiran Sharma, Anirban Chakraborti, Anindya Chakrabarti

11:45 - 12:00   **Multidimensional Directional-Change Intrinsic Time**
| Vladimir Petrov, Anton Golub, James Glattfelder, Richard Olsen

12:00 - 12:15   **Can banks default overnight?**
| Pawel Smaga, Mateusz Wilinski, Piotr Ochnicki, Piotr Arednaski, Tomasz Gubiec

12:15 - 12:30   **Finding the Best Stress Test Model: The Case of Non-linear Fire Sales**
| Amanah Ramadiah, Daniel Fricke, Fabio Caccioli

12:30 - 12:45   **Firms' Complexity: Technological Scope, Coherence and Performance**
| Andrea Zaccaria, Lorenzo Napolitano, Emanuele Pugliese, Luciano Pietronero

12:45 - 13:00   **Evolutionary dynamics of N-person Hawk-Dove games**
| Wei Chen, Carlos Gracia-Lazaro, Zhiwu Li, Long Wang, Yamir Moreno

17:00- 17:15   **Information Theoretic Portfolio Decision Model for Designing Optimal Flood Control Strategies**
| Matteo Convertino, Fernando Nardi

17:15 - 17:30   **Unfolding the Innovation System for the Development of Countries: Co-evolution of Science, Technology and Production**
|Emanuele Pugliese, Giulio Cimini, Patelli Aurelio, Andrea Zaccaria, Luciano Pietronero, Andrea Gabrielli

17:30 - 17:45   **When does a disaster become a systemic event? Estimating indirect economic losses from natural disasters**
| Sebastian Poledna

17:45 - 18:00   **Universal behavioural patterns behind the demise of the commons**
| Felipe Cardoso, Marko Jusup, Carlos Gracia-Lazaro, Zhen Wang, Yamir Moreno

18:00 - 18:15   **A Hybrid Model Using Autoregressive Neural Networks to Assessment the Real Estate Market Values in Santiago of Chile** | Silvia Salinas-Ayaviri, Marcelo Villena

18:15 - 18:30   **High Performance Exploration Of Emergent Financial Phenomena In Spatial Segregation Models** |Oliver Scholten, Ken Hawick

18:30 - 18:45   **Lobby Organizations in Banking and Finance**
| Borut Sluban, Mojca Mikac, Petra Kralj Novak, Stefano Battiston and Igor Mozetic

18:45 - 19:00   **A voter model with concealed and publicly expressed opinions**
| Michael Gastner, Beata Oborny, Mate Gulyas

TUESDAY 25/9   ROOM 7

11:00 - 11:15   Homogenization of functional topology in bipolar patients under Lithium treatment | Esther Ibanez, Giovanni Petri, Gianfranco Spalletta, Tommaso Gili

11:15 - 11:30   Hierarchical Modularity in breast cancer networks is driven by miRNA regulation | Sergio Antonio Alcala-Corona, Jesus Espinal-Enriquez, Fabian Flores-Jasso, Mariana Flores-Torres, Diana Drago-Garcia, Enrique Hernandez-Lemus

11:30 - 11:45   Ecosystem Vulnerability to Species Loss: a Broad Study of Real-World Food Webs | Mateusz Iskrzynski, Elena Rovenskaya, Ulf Dieckmann, Ake Brannstrom, Ursula Scharler, Victoria Veshchinskaya and Karol Opara

11:45 - 12:00   Simulation of Biochemical Systems Using Constraint-Based Methods and Extended Biochemical Networks | Paulo Eduardo Pinto Burke, Luciano Da Fontoura Costa

12:00 - 12:15   The improvisational state of mind: a multidisciplinary study of an improvisatory approach to classical music repertoire performance | David Dolan, Henrik Jensen, Pedro Mediano, Miguel Molina-Solana, Hardik Rajpal, Fernando Rosas,John Sloboda

12:15 - 12:30   Modeling the large-scale spreading of Tuberculosis and the impact of new vaccination strategies |Yamir Moreno

12:30 - 12:45   Brain networks in schizophrenic and healthy individuals | Rossana Mastrandrea, Andrea Gabrielli, Fabrizio Piras, Gianfranco Spalletta, Guido Caldarelli, Tommaso Gili

12:45 - 13:00   Multi-Ecosystem Arbovirus Transmission Networks: The Spatial Spread of Mosquitoes' Blood-meal Sources and Vector-Borne Diseases | Diego Lozano, Richard Hoyos, Jorge Sanchez, Juan Gallego-Gomez, Nelson Fernandez

17:00- 17:15   Human Mobility Network and Persistence of Multi-strain Diseases | Alberto Aleta, Sandro Meloni, Chiara Poletto, Vittoria Colizza, Yamir Moreno

17:15 - 17:30   Energy Landscape Analysis of Age-related Changes in Human Brain Activity | Takahiro Ezaki, Michiko Sakaki, Takamitsu Watanabe, Naoki Masuda

17:30 - 17:45   From free text to clusters of content in health records: an unsupervised graph partitioning approach | M. Tarik Altuncu, Erik Mayer, Sophia N. Yaliraki,Mauricio Barahona

17:45 - 18:00   Systemic Risk in Health-Care Networks | Donald Ruggiero Lo Sardo, Vito D. P. Servedio, Johannes Sorger, Stefan Thurner, Peter Klimek

18:00 - 18:15   Griffiths phases in infinite-dimensional, non-hierarchical modular networks | Wesley Cota, Silvio Ferreira, Geza Odor

18:15 - 18:30   Evolution of Spreading Processes on Complex Networks | Rashad Eletreby, Yong Zhuang,Osman Yagan

18:30 - 18:45   Redundancy in the Structure and Dynamics of Complex Networks | Luis M. Rocha, Rion Brattig Correia, Alexander Gates, Alain Barrat, Nathan D. Ratkiewicz

18:45 - 19:00   Effects of peers influence on voting and health-risk behaviour at the population level without using link data | Antonia Godoy-Lorite, Nick S. Jones

TUESDAY 25/9   ROOM 8

11:00 - 11:15 | **Tracking time is less complex with quantum technologies** | Thomas Elliott Mile Gu

11:15 - 11:30 | **Thermodynamics of Modularity: Structural Costs Beyond the Landauer Bound** | Alexander Boyd, Dibyendu Mandal, James Crutchfield

11:30 - 11:45 | **Frobenius-Perron dynamics at the onset of chaos** | Alvaro Diaz-Ruelas, Fulvio Baldovin,Alberto Robledo

11:45 - 12:00 | **Harnessing Spin Chain Methods To Derive Simple Predictive Models Of Complex Stochastic Processes** | Chengran Yang, Felix Binder, Varun Narasimhachar, Mile Gu

12:00 - 12:15 | **Artificial Creativity of Evolutionary Swarm Systems** | Hiroki Sayama

12:15 - 12:30 | **Selection in dispersal-structured populations of competing individuals** | David Navidad, Marco Patriarca, Els Heinsalu

12:30 - 12:45 | **Mapping the Physics Research Space: a Machine Learning Approach** | Matteo Chinazzi, Bruno Goncalves, Qian Zhang, Alessandro Vespignani

12:45 - 13:00 | **Multiscale Nature of Collinearity in Embryonic HOX Gene Cluster Activation** | Spyros Papageorgiou

17:00- 17:30 | **Statistical Mechanical Characterisation and Fingerprints** | Constantino Tsallis

17:30 - 17:45 | **Mapping and discrimination of networks in the complexity-entropy plane** | Marc Wiedermann, Jonathan F. Donges, Jurgen Kurths, Reik V. Donner

17:45 - 18:00 | **Ageing-induced continuous phase transition** | Oriol Artime, Antonio F. Peralta, Raul Toral, Jose J. Ramasco, Maxi San Miguel

18:00 - 18:15 | **Multiple phase transitions in threshold driven contagion on multiplex networks** | Samuel Unicomb, Gerardo Iniguez, Janos Kertesz, Diana Knipl, Marton Karsai

18:15 - 18:30 | **Patterns of Non-Normality in Networked Systems** | Malbor Asllani Timoteo Carletti

18:30 - 18:45 | **Self-organization conducted by the dynamics towards the attractor at the onset of chaos** | Alberto Robledo

TUESDAY 25/9   ROOM 9

11:00 - 11:15

Error-Correcting Decoders for Communities in Networks | Krishna Bathina, Filippo Radicchi

11:15 - 11:30

Measuring household contacts in Africa with wearable proximity sensors: recent progresses and challenges
| Michele Tizzoni, Laura Ozella, Moses C. Kiti, Mvuyo Makhasi, Jackie Kleynhans, Cheryl Cohen, D. James Nokes, Ciro Cattuto

11:30 - 11:45

A Multilevel Simulation of Motivation and Behaviour in Police Patrol Systems | Phil Davies, Jeff Johnson

11:45 - 12:00

Dimension Reduction of Polynomial Regression Models for the Estimation of Granger Causality in High-Dimensional Time Series
| Elsa Siggiridou, Dimitris Kugiumtzis

12:00 - 12:15

Complex networks of scalar time series using a data compression algorithm | Debora Correa, Michael Small, David Walker

12:15 - 12:30

Mitigation Strategies Against the Global Spread of Infectious Diseases Through the World Air Transportation Network
| Demetris Avraam, Christos Nicolaides, Ruben Juanes, Luis Cueto-Felgueroso

12:30 - 12:45

Reconstruction of weighted networks via conditional entropy
| Federica Parisi, Diego Garlaschelli and Tiziano Squartini

12:45 - 13:00

Understanding Urban Mobility from a Gendered Perspective through Mobile Phone Data
| Leo Ferres, Laetitia Gauvin, Michele Tizzoni, Andre Panisson, Daniela Paolotti, Simone Piaggesi, Andrew Young, Natalia Adler, Ciro Cattuto, Stefaan Verhulst