

International Workshop “Complex networks: from socio-economic systems to biology and brain”, Lipari 2018

Program

Wednesday July 11th

Morning Session Chair: Andrea Gabrielli

08.30-09.00 Registration

09.00-09.20 Opening: Prof Alfredo Ferro (Univ. di Catania, Italy)

09.20-10.00 Emilio Ferrara

“Human online behavior: modeling performance trajectories, cognitive biases, and well-being”

10.00-10.40 Rossano Schifanella

“Healthy City: large-scale study of food purchases and health outcomes”

10.40-11.10 Coffee Break

11.10-11.50 Ciro Cattuto

“Understanding Urban Mobility from a Gendered Perspective using Mobile Phone Data”

11.50-12.30 Leo Ferres

“On the behavior of a country's media system”

Afternoon Session Chair: Giancarlo Ruffo

14.30-15.10 Tommaso Gili

“A comparison of functional brain networks in schizophrenic patients and healthy individuals”

15.10-15.50 Daniela Paolotti

“Unsupervised extraction of latent syndromes from self-reported influenza-like illness symptoms”

15.50-16.30 Miguel Angel Munoz

“Loops and directionality in biological networks: the origin of stability in foodwebs”

16.30-17.10 Andrea Gabrielli

“Statistical physics approach to unfold the innovation system for the development of countries: co-evolution of Science, Technology and Production”

Thursday July 12th

Morning Session Chair: Tommaso Gili

09.20-10.00 Nicola Perra
"Networks and Time"

10.00-10.40 Francesco Bonchi
"Maximal Cores in Temporal Networks"

10.40-11.10 Coffee Break

11.10-11.50 Sebastiano Vigna
"Spectral Ranking"

11.50-12.30 Roberta Sinatra
"Interdisciplinarity, physics, and the nobel prize"

Social event: Trip to Salina

Friday July 13th

Morning Session Chair: Diego Garlaschelli

09.20-10.00 Josè Fernando Mendes
"Finding the optimal nets for self-folding Kirigami"

10.00-10.40 Vinko Zlatic
"Systemic risk propagation and network structure"

10.40-11.10 Coffee Break

11.10-11.50 Andrea Pagnani
"Expectation Propagation: Applications and Theory"

11.50-12.30 Alfredo Pulvirenti
"Fast Methods For Finding Significant Motifs on Labeled Multi-Relational Networks"

Boat Trip to Vulcano and Social Dinner

Saturday July 14th

Morning Session Chair: Andrea Gabrielli

10.00-10.40 Giancarlo Ruffo

“On Twitter's Interactions in Political Debates: the Interplay of Homophily Evolution and the Search for Disagreement Mitigation”

10.40-11.10 Coffe Break

11.10-11.50 Miguel Ibanez Berganza

“Maximum entropy inference and the criteria involved in facial preference”

11.50-12.30 Daniel Freiman

“Statistical methods for the analysis of samples of brain networks”

Afternoon Session Chair: Tommaso Gili

14.30-15.10 Diego Garlaschelli

“Uncovering functional brain signature via random matrix theory”

15.10-15.50 Lucilla De Arcangelis

“Temporal correlations in the brain”

15.50-16.30 Michael Szell

“Quantitative analysis of urban shareability networks and mobility spaces”

Sunday July 15th

Morning Session Chair: Diego Garlaschelli

09.20-10.00 Guido Caldarelli

“Financial Networks”

10.00-10.20 Alfonso Semeraro

“Behavioural patterns in financial transaction networks”

10.20-11.10 Coffee Break

11.10-11.30 Salvatore Vilella

“Visitation patterns to news media websites: a data-driven approach to the study of political polarization”

11.13-11.50 Alessandra Urbinati

“A data driven analysis of the scientific migration”

11.50-12.10 Arthur Capozzi
"Immigrants, Hate and Prejudice in Social Media"

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