



Room 10

	September 2		September 3		September 4		September 5		September 6	
	Satellites		Satellites		Main Event		Main Event		Main Event	
08:00	Registrations	08:00	Registrations	08:00	Registrations	08:00	Registrations	08:00	Registrations	08:00
08:45	Welcome (Auditorium)	08:45	Welcome (Auditorium)	08:45	Welcome (Auditorium)	08:45	Welcome (Auditorium)	08:45	Welcome (Auditorium)	08:45
09:00	Invited - Brooke Foucault Welles (Auditorium)	09:00	Invited - Richard Blythe (Auditorium)	09:00	Keynote - Sandy Pentland (Auditorium) - Sponsored by EPJ Data Science & Applied Network Science	09:00	Keynote - Andrea Bamberg Migliano (Auditorium)	09:00	Keynote - Fabiana Zollo (Auditorium)	
09:15		09:15		09:15		09:15		09:15		09:15
09:30		09:30		09:30				09:30		
09:45	DCSCF (Room 10)	09:45	MODIS 24 (Room 10)	09:45	Keynote - Nina Fefferman (Auditorium)	09:45	Keynote - Gourab Ghoshal (Auditorium)	09:45	Keynote - Alain Barrat (Auditorium)	
10:00		10:00		10:00		10:00		10:00		10:00
10:15		10:15		10:15	10:15	10:15	10:15	10:15	10:15	
10:30		10:30		10:30	10:30	10:30	10:30	10:30	10:30	
10:45		10:45		10:45	Lightning 1 (Auditorium)	10:45	Lightning 2 (Auditorium)	10:45	Lightning 3 (Auditorium)	
11:00	Coffee break	11:00	Coffee break	11:00	Coffee break	11:00	Coffee break	11:00	Coffee break	
11:15		11:15		11:15		11:15		11:15		
11:30	DCSCF (Room 10)	11:30	MODIS 24 (Room 10)	11:30	Opinion Dynamics and Network Stability (Room 10)	11:30	Theory of Complex Systems 2 (Room 10)	11:30	Disordered Systems and Critical Behaviors (Room 10)	
11:45		11:45		11:45		11:45		11:45		11:45
12:00		12:00		12:00		12:00		12:00		12:00
12:15		12:15		12:15		12:15		12:15		12:15
12:30		12:30		12:30		12:30		12:30		12:30
12:45	12:45	12:45	12:45	12:45	12:45					
13:00	Lunch	13:00	Lunch	13:00	Lunch	13:00	Lunch	13:00	Lunch	
13:15		13:15		13:15		13:15		13:15		
13:30		13:30		13:30		13:30		13:30		
13:45		13:45		13:45		13:45		13:45		
14:00	Invited - Cynthia S. Q. Siew (Auditorium)	14:00	Invited - Luca Pappalardo (Auditorium)	14:00	Keynote - Tomaso Aste (Auditorium)	14:00	Keynote - Suzy Moat (Auditorium)	14:00	AWARD DISCUSSION (Auditorium)	
14:15	14:15	14:15	14:15	14:15		14:15		14:15		
14:30		14:30		14:30		14:30		14:30	Keynote 9 - CCS SENIOR AWARD (Auditorium) Sponsored by Frontiers in Big Data & Frontiers in Complex Systems	
14:45	DCSCF (Room 10)	14:45	MODIS 24 (Room 10)	14:45	Invited - Karoline Wiesner (Auditorium)	14:45	Invited - Giulio Cimini (Auditorium)	14:45		
15:00		15:00		15:00	15:00	15:00	15:00	15:00		
15:15		15:15		15:15	15:15	15:15	15:15	15:15	15:15	
15:30		15:30		15:30	15:30	15:30	15:30	15:30	15:30	
15:45		15:45		15:45	Theory of Complex Systems 1 (Room 10)	15:45	Higher-Order Networks (Room 10)	15:45		
16:00		16:00		16:00		16:00		16:00		
16:15	Coffee break	16:15	Coffee break	16:15	Coffee break	16:15	Coffee break	16:15	Coffee break	
16:30		16:30		16:30		16:30		16:30		
16:45	DCSCF (Room 10)	16:45	MODIS 24 (Room 10)	16:45	Theory of Complex Systems 1 (Room 10)	16:45	Higher-Order Networks (Room 10)	16:45	CONCLUSION (Auditorium)	
17:00		17:00		17:00		17:00		17:00		17:00
17:15		17:15		17:15	17:15	17:15	17:15	17:15		
17:30		17:30		17:30	17:30	17:30	17:30	17:30		
17:45		17:45		17:45	Demystifying publishing for Early Career Researchers (Auditorium) Sponsored by PLOS COMPLEX SYSTEMS	17:45		17:45		
18:00		18:00		18:00		18:00		18:00		
18:15		18:15	yrCSS Panel (Auditorium)	18:15		18:15	Poster Session & Cocktails Sponsored By JPhys COMPLEXITY (The Sanctuary)	18:15		
18:30		18:30		18:30		18:30		18:30		
18:45		18:45		18:45		18:45		18:45		
19:00		19:00		19:00		19:00			19:00	
19:15		19:15		19:15		19:15		19:15		
19:30		19:30		19:30	Gala Dinner (Holland Hall)	19:30		19:30		
19:45		19:45		19:45		19:45		19:45		

Sept.4 Opinion Dynamics and Network Stability**Room 10**

- 11:30 Heterogeneous connectivity mitigates adversarial attacks on voter model dynamics in complex networks *Takemoto, Kazuhiro**
- 11:45 Assessing frustration in real-world signed networks: towards a statistical theory of balance *Gallo, Anna*; Garlaschelli, Diego; Lambiotte, Renaud; Saracco, Fabio; Squartini, Tiziano*
- 12:00 Spontaneous Opinion Swings in the Voter Model with Latency *Palermo, Giovanni*; Mancini, Anna; Desiderio, Antonio; Di Clemente, Riccardo; Cimini, Giulio*
- 12:15 An extended Axelrod's model of innovation spreading and emergence of linguistic diversity *Dornelas, Vivian*; Anteneodo, Celia; Heinsalu, Els; Patriarca, Marco*
- 12:30 Temporal Dynamics of Social Networks in Rural India: Insights from a Longitudinal Study *Singh, Rahul Kumar*; Gaurav, Sarthak*

Chair: Giulia Cencetti**Sept.4 Theory of Complex Systems 1****Room 10**

- 15:30 Biased versus unbiased numerical methods for stochastic simulations of complex systems *Toral, Raul*; Aguilar, Javier; Ramasco, Jose*
- 15:45 Mining Walks on a Network: path prediction and motif counting with self-loops and given start/end nodes *Teo, Kevin*; Arnold, Naomi; Kiss, Istvan Z; Hone, Andrew*
- 16:00 Finding Large Independent Sets in Networks Using Competitive Dynamics *Mooij, Niek**
- 16:45 The Oneira Project: Visualizing Complex Systems in Motion *Phoenix, Jon C**
- 17:00 A generative model for networks that creates networks with given partition similarity *Zhong, Peijie*; Clegg, Richard G; Mondragon, Raul J.*

Chair: Alvaro Corral**Sept.5 Theory of Complex Systems 2****Room 10**

- 11:30 Asymmetry in the distribution of unit properties is the key factor determining the efficiency of collective oscillations in FitzHugh-Nagumo networks *Sciolla, Stefano*; Patriarca, Marco; Heinsalu, Els; Yamakou, Marius; Cartwright, Julyan*
- 11:45 Meta-plasticity and memory in multi-level recurrent feed-forward networks *Zanardi, Gianmarco*; Bettotti, Paolo; Morand, Jules; PAVESI, Lorenzo; Tubiana, Luca*
- 12:00 Estimating Time-Resolved Stochasticity in Nonstationary Timeseries *Manshour, Pouya*; Palus, Milan; Rahimi Tabar, M. Reza*
- 12:15 The distribution of first passage times of random walks on random regular graphs *Biham, Ofer*; Tishby, Ido; Katzav, Eytan*
- 12:30 Universal scaling behavior at finite times in the transcritical, saddle-node, and pitchfork discrete and continuous bifurcations *corral, alvaro**
- 12:45 A microstrip antenna based on aperiodic tilings. *Rivera Torres, Pedro J**

Chair: Filippo Radicchi**Sept.5 Higher-Order Networks****Room 10**

- 15:30 Entropy-based random models for hypergraphs *Squartini, Tiziano**
- 15:45 Insights from exact social contagion dynamics on networks with higher-order structures *Kiss, Istvan Z**
- 16:00 Multiplex measures for higher-order networks *Lotito, Quintino Francesco*; Montresor, Alberto; Battiston, Federico*
- 16:45 Intra-order hyperedge overlap drives explosive collective behaviors in systems with higher-order interactions *Malizia, Federico**
- 17:00 Functional reducibility of higher-order networks *Lucas, Maxime*; Gallo, Luca; Ghavasieh, Arsham; Battiston, Federico; De Domenico, Manlio*

Chair: Antoine Allard**Sept.6 Disordered Systems and Critical Behaviors****Room 10**

- 11:30 Local sign stability as a predictor for stability in complex systems *Valigi, Pietro; Neri, Izaak*; Cammarota, Chiara*
- 11:45 Cluster-Driven Momentum Portfolios *Bradley, Joseph C*; Di Matteo, Tiziana; Mrazik, Matus*
- 12:00 Spectral theory of multivariate Ornstein-Uhlenbeck reversible processes *Barucca, Paolo**
- 12:15 Analysis of critical behaviour using social inequality indices *Biswas, Soumyajyoti**
- 12:30 First-passage on disordered intervals *Holehouse, James*; Redner, Sidney*
- 12:45 Nonlinear responses and tipping in strongly fluctuation-driven systems *Börner, Georg*; Thümler, Moritz; Schröder, Malte; Timme, Marc*

Chair: Carlos Gershenson