



Room 7-8

	September 2	September 3	September 4	September 5	September 6
	Satellites	Satellites	Main Event	Main Event	Main Event
08:00	Registrations	Registrations	Registrations	Registrations	Registrations
08:45	Welcome (Auditorium)	Welcome (Auditorium)	Welcome (Auditorium)	Welcome (Auditorium)	Welcome (Auditorium)
09:00	Invited - Brooke Foucault Welles (Auditorium)	Invited - Richard Blythe (Auditorium)	Keynote - Sandy Pentland (Auditorium) - Sponsored by EPJ Data Science & Applied Network Science	Keynote - Andrea Bamberg Migliano (Auditorium)	Keynote - Fabiana Zollo (Auditorium)
09:15					
09:30					
09:45	Criticality on networks (Room 7-8)	COMPILA2024 (Room 7-8)	Keynote - Nina Fefferman (Auditorium)	Keynote - Gourab Ghoshal (Auditorium)	Keynote - Alain Barrat (Auditorium)
10:00					
10:15					
10:30			Lightning 1 (Auditorium)	Lightning 2 (Auditorium)	Lightning 3 (Auditorium)
10:45					
11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:15					
11:30	Criticality on networks (Room 7-8)	COMPILA2024 (Room 7-8)	Foundations of Complex Systems (Room 7-8)	Complex Networks 1 (Room 7-8)	Complex Networks 3 (Room 7-8)
11:45					
12:00					
12:15					
12:30					
12:45					
13:00	Lunch	Lunch	Lunch	Lunch	Lunch
13:15					
13:30					
13:45					
14:00	Invited - Cynthia S. Q. Siew (Auditorium)	Invited - Luca Pappalardo (Auditorium)	Keynote - Tomaso Aste (Auditorium)	Keynote - Suzy Moat (Auditorium)	AWARD DISCUSSION (Auditorium)
14:15					
14:30					Keynote 9 - CCS SENIOR AWARD (Auditorium) Sponsored by Frontiers in Big Data & Frontiers in Complex Systems
14:45	COMPILA2024 (Room 7-8)	COMPILA2024 (Room 7-8)	Invited - Karoline Wiesner (Auditorium)	Invited - Giulio Cimini (Auditorium)	
15:00					
15:15					CONCLUSION (Auditorium)
15:30				Personalization and Information Spread (Room 7-8)	Complex Networks 2 (Room 7-8)
15:45					
16:00					
16:15	Coffee break	Coffee break	Coffee break	Coffee break	
16:30					
16:45	COMPILA2024 (Room 7-8)	COMPILA2024 (Room 7-8)	Personalization and Information Spread (Room 7-8)	Complex Networks 2 (Room 7-8)	Poster Session & Cocktails Sponsored By JPhys COMPLEXITY (The Sanctuary)
17:00					
17:15					
17:30			Demystifying publishing for Early Career Researchers (Auditorium) Sponsored by PLOS COMPLEX SYSTEMS		
17:45					
18:00		yrCSS Panel (Auditorium)			
18:15					
18:30					
18:45					
19:00			Gala Dinner (Holland Hall)		
19:15					
19:30					
19:45					

Sept.4 Foundations of Complex Systems

- 11:30 Modeling complex aggregation processes using recent advances in combinatorial approach
- 11:45 Awareness paradox induced by network density, degree heterogeneity, and disassortativity
- 12:00 A self-supervised learning approach to the cellular automaton classification problem
- 12:15 Criticality in linear vs. combinatorial evolutionary models: from graphs to hypergraphs
- 12:30 Canards: Continuous rapid transitions in turbulent combustors

Room 7-8

*Łepek, Michal**; *Fronczak, Agata*; *Fronczak, Piotr*

Kolok, Csego; *Odor, Gergely**; *Keliger, Daniel*; *Karsai, Marton*

*Rollier, Michiel**

*Michaud, Jérôme**

*Siddaruda Bhavi, Ramesh**; *Sudarsanan, Sivakumar*; *Bhaskaran, Anaswara*; *Raghunathan, Manikandan*; *Sujith, R.I*

Chair: *Laetitia Gauvin*

Sept.4 Personalization and Information Spread

- 15:30 The Preservation of Input/Output Directed Graph Informativeness under Crossover
- 15:45 Disentangling high order effects in the transfer entropy
- 16:00 Search-engine personalization and filter bubbles: evidence from searches related to an ongoing conflict
- 16:45 Decoding the News Media Diet of Disinformation Spreaders

Room 7-8

Pape, Andreas D; *Schaffer, J. David*; *Sayama, Hiroki**; *Zosh, Christopher*

Stramaglia, Sebastiano; *Faes, Luca*; *Cortes, Jesus*; *Marinazzo, Daniele**

*Damião, Íris**; *Almeida, Paulo*; *Sa, Joana G*; *Reis, José*

*Bertani, Anna A**; *Mazzeo, Valeria*; *Gallotti, Riccardo*

Chair: *Jason Reifler*

Sept.5 Complex Networks 1

- 11:30 Communicability geometry reveals antagonistic factions in signed networks
- 11:45 Investigating shocking events in temporal and multilayer complex networks
- 12:00 Multi-Scale Node Embeddings for Networks
- 12:15 Temporal network generation: from small to large scale in time and topology
- 12:30 Graph embeddings with structured kernels

Room 7-8

*Diaz-Diaz, Fernando**; *Estrada Roger, Ernesto*

*Ba, Cheick Tidiane**; *Steer, Ben*; *Clegg, Richard G*

*Milocco, Riccardo RM**; *Garlaschelli, Diego*; *Jansen, Fabian*

*Cencetti, Giulia**; *Barrat, Alain*

*Talaga, Szymon**

Chair: *Giulio Cimini*

Sept.5 Complex Networks 2

- 15:30 Information diffusion backbone of temporal higher-order networks
- 15:45 Network mutual information measures for graph similarity
- 16:00 Heterogeneity in Multilayer Random Boolean Networks
- 16:45 Topological communities in complex networks
- 17:00 Multi-scale Laplacian community detection in heterogeneous networks

Room 7-8

*Zhang, Shilun**; *Wang, Huijuan*; *Ceria, Alberto*

*Felippe, Helcio**; *Battiston, Federico*; *Kirkley, Alec*

*Lopez-Diaz, Amahury J.**; *Franco, Mario*; *Gershenson, Carlos*

*Seoane, Luis F**

*Gabrielli, Andrea**

Chair: *Laura Hernandez*

Sept.6 Complex Networks 3

- 11:30 Enabling Viable Supply Networks with Cooperative-Distributed Local-Decentralised Control
- 11:45 Modelling of three-component complex conflict with decision-making, host population support and resource redistribution
- 12:00 Endogenous labour flow networks and the skills evolution of the UK labour market
- 12:15 Do skills predict labour mobility? Delving deeper into the drivers of job switches
- 12:30 Exploring the Impact of Spatial Community Structure On Extremism in an Adaptive Spatial Social Network Model

Room 7-8

*Proselkov, Yaniv**

*Shelyag, Sergiy**; *McKerral (Fisher), Jody*; *Zuparic, Mathew*; *Francis, Michael*; *McLennan-Smith, Timothy*

*Fair, Kathryn R**; *Meine, David*; *Guerrero, Omar*

Kessler, Zachary; *Fair, Kathryn R**; *Guerrero, Omar*

*Bullock, Seth**

Chair: *Sofia Teixeira*