

PROGRAM AT A GLANCE - [COMPLEX NETWORKS 2023](#)

Day 1 - NOVEMBER 28, 2023

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| 8:00 - 8:30 | Registration | | |
| 8:30 - 8:45 | Opening | | |
| 8:45 - 9:25 | Speaker 1: Romualdo Pastor-Satorras - Opinion Depolarization in Interdependent Topics and the Effects of Heterogeneous Social Interactions | | |
| 9:25 - 10:15 | L1: Higher-Order Interactions - Social Networks | | |
| 10:15 - 10:50 | P1: A [1 - 13] Network Analysis - B [14 - 20] Biological Networks - C [21 - 24] Mobility (Coffee Break) | | |
| 10:50 - 12:50 | O1A: Community Structure | O1B: Machine Learning & Networks | O1C: Network Geometry |
| 12:50 - 14:15 | Lunch | | |
| 14:15 - 15:45 | O2A: Human Behavior | O2B: Network Analysis | O2C: Synchronization |
| 15:45 - 16:20 | P2: A [1 - 12] Information Spreading in Social Media B [13 - 17] Diffusion & Epidemics - C [18-24] Machine Learning & Networks - (Coffee Break) | | |
| 16:20 - 17:00 | Speaker 2: Manlio De Domenico – An Emerging Framework for the Functional Analysis of Complex Interconnected Systems | | |
| 17:00 - 19:00 | O3A: Dynamics on/of Networks | O3B: Network in Finance & Economics | O3C: Multilayer/Multiplex |
| 19:00 - 19:30 | Break | | |
| 19:30 - 21:00 | Welcome Reception | | |

Day 2 - NOVEMBER 29, 2023

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| 8:15 - 8:45 | Registration | | |
| 8:45 - 9:25 | Speaker 3: Kathleen M. Carley – Coupling in High Dimensional Networks | | |
| 9:25 - 10:15 | L2: Community Structure - Dynamics on/of Networks | | |
| 10:15 - 10:50 | P3: A [1 - 9] Community Structure – B [10 - 19] Social Networks – C [20 - 23] Infrastructure Networks (Coffee Break) | | |
| 10:50 - 12:50 | O4A: Information Spreading in Social Media | O4B: Machine Learning & Networks | O4C: Networks in Finance & Economics |
| 12:50 - 14:15 | Lunch | | |
| 14:15 - 15:45 | O5A: Structural Network Measures | O5B: Infrastructure Networks | O5C: Biological Networks |
| 15:45 - 16:20 | P4: A [1 - 9] Human Behavior – B [10 -13] Link Analysis & Ranking – C [14 - 24] Dynamics on/of Networks (Coffee Break) | | |
| 16:20 - 17:00 | Speaker 4: Michael Bronstein – Physics Inspired Graph Neural Networks | | |
| 17:00 - 19:00 | O6A: Diffusion & Epidemics | O6B: Community Structure | O6C: Temporal Networks |
| 19:00 - 20:00 | Break | | |
| 20:00 - 22:00 | Dinner Banquet | | |

Day 3 - NOVEMBER 30, 2023

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| 8:15 - 08:45 | Registration | | |
| 8:45 - 09:25 | Speaker 5: Tao Zhou – Recent Debates in Link Prediction | | |
| 9:25 - 10:15 | L3: Community structure - Human Behavior | | |
| 10:15 - 10:50 | P5: A [1 - 12] Machine Learning & Networks - B [13 - 17] Biological Networks - C [18 - 20] Networks in Finance & Economics - (Coffee Break) | | |
| 10:50 - 12:35 | O7A: Social Networks | O7B: Dynamics on/of Networks | O7C: Networks Analysis |
| 12:35 - 14:00 | Lunch | | |
| 14:00 - 15:30 | O8A: Diffusion & Epidemics | O8B: Network Embedding | O8C: Resilience |
| 15:30 - 15:50 | Coffee Break | | |
| 15:50 - 16:30 | Speaker 6: Danai Koutra – Advances in Graph Neural Networks: Heterophily and Beyond | | |
| 16:30 - 17:45 | O9A: Link Analysis & Ranking | O9B: Ecological & Earth Science Networks | O9C: Network Analysis |
| 17:45 - 18:00 | Closing | | |