

NetSci 2026

Lightning Talks



TIME	SUB ID	PRESENTER	TITLE
Lightning Talks 1 • Wed June 3, 11:00–11:30 AM • Amesbury Ballroom			
11:00 AM	51	Yuanzhao Zhang	Hypergraph reconstruction from dynamics
11:03 AM	159	Yessica Herrera Guzman	Philanthropic Influence of Art Collectors on U.S. Art Museums
11:06 AM	471	Aarathi Parameswaran	Bridge Criticality in a Spatial Road Network
11:09 AM	287	Alexander Gates	Unifying Information-Theoretic and Pair-Counting Community Similarity
11:12 AM	616	Shambhobi Bhattacharya	Early Rules Cast Long Shadows: Dependency Dynamics in Wikipedia's Regulatory Network
11:15 AM	540	Juliana Taube	All contacts are not equal: Spatiotemporal constraints shape network structure and transmission dynamics
11:18 AM	601	Gordana Ispirova	From Ultra-Processed Foods to Processing Pathways: A Network-Aware Inference Framework
11:21 AM	71	Germans Savcisens	Belief Coevolution in a Social Network of Generalist and Specialist Large Language Models
11:24 AM	106	Dawoon Jeong	The U.S. Code as a Growing Networked System (1926–2023)
11:27 AM	319	Raj Deshpande	Higher-order information-theoretic organization of motor modularity in health and stroke
Lightning Talks 2 • Wed June 3, 3:00–4:00 PM • Amesbury Ballroom			
3:00 PM	353	Benedetta Giovannelli	Markovian ϵ -SIR on the complete graph
3:03 PM	425	Baruch Barzel	Are scale-free networks also timescale-free?
3:06 PM	127	Aryan Rahbari	A Mechanistic Model of Network Connectivity
3:09 PM	634	Enrico Caprioglio	Synergistic Motifs in Gaussian Systems
3:12 PM	89	Cornelia Sheeran	Real-Space Renormalization and Sparsification of Complex Networks
3:15 PM	554	Sam Boyd	Diffusion on Hierarchical Multilayer Networks
3:18 PM	300	Lorenz Hilfiker	Graph-aware proper scoring rules for node selection tasks
3:21 PM	440	Zhuoxuan Xie	Construction of Hidden Metric Space with Community Structure
3:24 PM	98	Xudong Fan	Graph-Based Deep Reinforcement Learning for Resilience-Oriented Decision-Making in Critical Infrastructure Systems
3:27 PM	7	Anna Mancini	Evolution and determinants of firm-level systemic risk in local production networks
3:30 PM	639	Frank Takes	Recent Advances in Population-scale Social Network Analysis
3:33 PM	318	Michael Sebek	Integrating comparative protein biology with network medicine to elucidate the therapeutic role of plant chemicals for cardiovascular disease
3:36 PM	184	Jiaxing Qiu	The Extended Community of Diet Culture Around Eating Disorders: A Network Analysis of Reddit Forums
3:39 PM	383	Eun Cheol Choi	Diverse Human Dilemmas, Uniform AI Preferences: Mapping Value Trade-Off Networks in Online Advice-Seeking Communities and Large Language Models

3:42 PM	446	Bridget Smart	Untangling Memory and Influence in Complex Systems: Separable Markov Models for Sequence Generation
3:45 PM	166	Alessia Galdeman	Graph evolution rules meet communities: assessing global and local patterns in the evolution of dynamic networks
3:48 PM	557	Anabel Costa	Evidence of Gender-based Network Biases in Respondent-driven Sampling Data