

Northeast Regional Conference on Complex Systems (NERCCS 2022)

POSTER SESSION

Date: March 31, 2022
Location: Online and UB Mathematics Building
Webpage: <https://nerccs2022.github.io/>

Poster Session A: 5-5:45pm [EDT]

#	<u>Presentor</u>	<u>Affiliation</u>	<u>Title</u>
2	Sarbendu Rakshit	Indian Statistical Institute, Kolkata	Relay interlayer synchronization: Invariance and stability conditions
4	Chanon Thongprayoon	University at Buffalo	Trajectories of temporal social contact networks
7	Madison Russell	University at Buffalo	Communities in gene co-expression networks across different organs
9	Lingqi Meng	University at Buffalo	Perturbation theory for graph surgery: A case of theory of cooperation
14	Mariah Boudreau	University of Vermont	Analysis and comparison of temporal interventions in a stochastic disease model
17	Prosenjit Kundu	University at Buffalo	Validity of a one-dimensional reduction of dynamical systems on networks
18	Mikaela Fudolig	University of Vermont	Sentiment and structure in word co-occurrence networks on Twitter
20	Md. Nahid Hasan	University of Dhaka	I2E2S2R Rumor Spreading Model in Homogeneous Network
27	Pranav Sankhe	University at Buffalo	Estimating the Effect of Chafee Services on Life Outcomes of Foster Youth
31	Sabina Adhikari	University of Colorado Boulder	Synchronization of phase oscillators in complex hypergraphs

Poster Session B: 5:45-6:30pm [EDT]

33	Francesco Bertolotti	LIUC	Risk Preferences in Professional Sport Leagues: an Agent-based model
35	Stephany Rajeh	University of Burgundy	A Modularity Backbone Extraction Method for Weighted Complex Networks
39	John O'Meara	Montclair State University	Network Based Trajectory Analysis and Framework Development of Precalculus Curricula
40	Nicholas Roberts	Complex Systems Center at University of Vermont	Effectiveness of contact tracing programs against out-of-control epidemics
41	Ankit Mishra	Indian Institute of Technology Indore, India	Eigenvalue ratio statistics of complex networks: Disorder vs. Randomness
42	Ali Yassin	University of Burgundy FRANCE	An empirical investigation of Backbone Filtering Techniques in weighted Complex Networks
43	Kamal Rana	Rochester Institute of Technology	Integrating climate networks with Machine learning for South Asian Monsoon forecasting
47	Bengier Ulgen Kilic	University at Buffalo, SUNY	Skeleton coupling: a novel topologically based method for defining interlayer links in dynamic community detection
49	Nicholas John	Rochester Institute of Technology	Data-Driven Pair Approximations for Coevolving Network Dynamics
50	Alfredo Morales	MIT Media Lab	Epidemic Modeling with Agent-Based Models and Reinforcement Learning
54	Andrea Allen	University of Vermont	Spreading dynamics approach for temporal network compression
55	Bren Case	University of Vermont	Parameter inference in epidemiological modeling: a perspective from Bayesian experimental design
62	Sriniwas Pandey	Binghamton University	Dynamics of toxicity in Parler dataset