

CCSS Program - August 10, 2022

All times Mountain Time	https://cuboulder.zoom.us/s/93879246310
8:30 AM - 9:00 AM	Registration with coffee and pastries
9:00 AM - 9:05 AM	Opening remarks
9:05 AM - 10:05 AM	Heather Zinn-Brooks (Harvey Mudd), “Bounded-confidence models of opinion dynamics on networks”
10:05 AM - 10:30 AM	Coffee break
10:30 AM - 10:50 AM	Aniruddha Belsare (Emory), “Simulating the spread of an emerging multihost pathogen in a novel wildlife reservoir”
10:50 AM - 11:10 AM	Dane Taylor (SUNY Buffalo), “Asymmetric coupling optimizes interconnected consensus systems”
11:10 AM - 11:20 AM	Break
11:20 AM - 11:40 AM	Ekaterina Landgren (Cornell), “Unrepresentative Outcomes in a Model of Voter Turnout”
11:40 AM - 12:00 PM	Hong Qu (Northeastern), “Modeling Misinformation Discourse and Influence on Social Media using Agent-Based Modeling”
12:00 PM - 2:00 PM	Lunch break
2:00 PM - 3:00 PM	Joel Miller (La Trobe), “Complex contagions and hybrid phase transitions”
3:00 PM - 3:30 PM	Coffee break
3:30 PM - 3:50 PM	Hunter Rehm (Vermont), “Methods for Determining Subsets of High Impact, Probabilistically Dependent Medical Conditions Represented in a Directed Graph”
3:50 PM - 4:10 PM	Yurun Tian (Carnegie Mellon), “The Role of Masks in Mitigating Viral Spread on Networks”
4:10 PM - 4:20 PM	Break
4:20 PM - 5:00 PM	Discussion groups: What is contagion?
5:00 PM - 6:00 PM	Reception

CCSS Program - August 11, 2022

All times Mountain Time	https://cuboulder.zoom.us/s/93879246310
8:30 AM - 9:00 AM	Registration with coffee and pastries
9:00 AM - 10:00 AM	Stephen Kissler (Harvard), “Linking viral kinetics with disease transmission and control”
10:00 AM - 10:20 AM	Coffee break
10:20 AM - 11:20 AM	Daniel Larremore (CU Boulder), “Estimating the Mitigation Potential of Screening Programs for Infectious Diseases”
11:20 AM - 11:40 AM	Break
11:40 AM - 12:00 AM	Cameron Ziegler (SUNY Buffalo) “Dynamics on Simplicial Complexes using the Generalized Hodge Laplacian”
12:00 PM - 2:00 PM	Lunch break
2:00 PM - 2:20 PM	Jonas Juul (Cornell), “Harder, better, faster, stronger cascades -- or simply larger?”
2:20 PM - 2:40 PM	Martin Smyth (US DoD), “Log-periodic Power Laws in Behavioral Synchronization”
2:40 PM - 3:00 PM	Alice Schwarze (Dartmouth), “The coevolution of alcohol use and social networks of college students”
3:00 PM - 3:30 PM	Coffee break
3:30 PM - 4:00 PM	Nicholas Landry (Vermont), XGI/HyperContagion demo
4:00 PM - 4:30 PM	Joel Miller (La Trobe), EoN demo
4:30 PM - 5:00 PM	Discussion groups: Complex social systems of interest?

CCSS Program - August 12, 2022

All times Mountain Time	https://cuboulder.zoom.us/s/93879246310
8:30 AM - 9:00 AM	Registration with coffee and pastries
9:00 AM - 10:00 AM	Laurent Hébert-Dufresne (Vermont), “The importance of heterogeneity and adaptivity of human behavior for epidemic models”
10:00 AM - 10:30 AM	Coffee break
10:30 AM - 10:50 AM	Rachith Aiyappa (Indiana), “Weighted Belief Networks Unify Simple and Complex Contagion”
10:50 AM - 11:10 AM	Bengier Ülgen Kılıç (SUNY Buffalo) “A Simplicial Threshold Model for Higher-order Cascades”
11:10 AM - 11:20 AM	Break
11:20 AM - 11:40 AM	Mansi Sood (Carnegie Mellon) “Modelling the spread of mutations in multilayer contact networks”
11:40 AM - 12:00 PM	Jason Jones (Stony Brook) “Social influence and political mobilization: Evidence from two randomized, controlled experiments in US elections”
12:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:00 PM	Jessica Davis (Northeastern), “From models to public policies: challenges and opportunities in modeling infectious disease threats ”
3:00 PM - 3:20 PM	Corbit Sampson (CU Boulder), “Effects of Group-Individual interaction in a Generalized Voter Model with Hyperedge Opinions”
3:20 PM - 3:40 PM	Coffee break/networking
3:40 PM - 4:10 PM	Discussion groups: Opportunities for collaboration?