



# CoCo

Center for Collective Dynamics of Complex Systems  
Binghamton University, State University of New York



## CoCo Seminar Series: Fall 2017

**\*\*\* The seminars can be taken as a 1-credit graduate course SSIE/BME-524 \*\*\***

**Wednesday 8:30-9:30am (unless otherwise noted)**  
**Engineering Building H-9 (Knoll-MacDonald Commons / Watson Commons)**  
**With refreshments; followed by open discussions**

**August 30: Roozbeh Salary (Industrial and Systems Engineering, Binghamton University)**  
**"3D Printing As a Complex System"**

**September 20: Pamela Mischen (Public Administration, Binghamton University)**  
**"Adaptive Capacity as Emergent Capacity"**

**September 27, 11:00am-12:00pm [CoCo/Data Science TWG Joint Seminar]:**  
**Dane Taylor (Mathematics, University at Buffalo)**  
**"Centrality Analysis and Community Detection for Temporal and Multilayer Networks"**

**October 2 (Mon), 5:15-6:00pm in Science I 149 [CoCo/EvoS Joint Seminar]:**  
**Genki Ichinose (Mathematical and Systems Engineering, Shizuoka University, Japan)**  
**"How Mutation Alters Fitness of Cooperation in Networked Evolutionary Games"**

**October 18: David Sloan Wilson (Evolutionary Studies Program, Binghamton University)**  
**"Evolving the Future: A Multilevel Plan for Sustainable Living"**

**November 1, 11:00am-12:00pm: James Dixon (Psychology / Center for the Ecological Study of Perception & Action, University of Connecticut)**  
**"Rudimentary Perception-Action in Dissipative Structures"**

**November 7 (Tue), 2:00-3:00pm [CoCo/Data Science TWG Joint Seminar]:**  
**Bill Rand (Marketing, North Carolina State University)**  
**"Using Big Data, Social Networks, and Agent-Based Modeling to Understand Information Diffusion"**

**November 14 (Tue), 2:00-3:00pm: Sucheta Soundarajan and Reza Zafarani (Electrical Engineering and Computer Science, Syracuse University)**  
**"Attributed Networks, Network Representation, and the Hierarchical Structure of Networks"**

**November 29: Farnaz Zamani Esfahlani (Systems Science, Binghamton University)**  
**"Schizophrenia As a Complex System: Insights from Network Science"**

**December 4 (Mon), 5:15-6:00pm in Science I 149 [CoCo/EvoS Joint Seminar]:**  
**Catherine Cramer and Stephen Uzzo (New York Hall of Science)**  
**"The Third Task: Adventures in Complexity Literacy and Learning"**

Contact Hiroki Sayama ([sayama@binghamton.edu](mailto:sayama@binghamton.edu)), Andreas Pape ([apape@binghamton.edu](mailto:apape@binghamton.edu)) or Ximeng Chen ([xchen80@binghamton.edu](mailto:xchen80@binghamton.edu)) for more information <http://coco.binghamton.edu/>