



# CoCo

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



## CoCo Seminar Series: Spring 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 free discussions**

**January 25: John Bay (Watson School Dean's Office, Binghamton University)**

***"An Epidemiological Model for Control of Complex Systems via Information-Sharing: Opportunities for Research"***

**February 8: Mohammad Abdullah Al-Mamun (Cornell University)**

***"Modeling Infectious Diseases: A Multidisciplinary Approach"***

**February 22: Ximeng Chen, Jie Guo, Jin Won Park and Mavi Ruiz Blondet (CCPA-SoM-Psychology joint student team, Binghamton University)**

***"The Development and Maintenance of Social Networks in Classroom Settings"***

**March 8, 11:00am-12:00pm: Hui Yang (Pennsylvania State University)**

***"Mining Dynamic Recurrences in Nonlinear and Nonstationary Systems for Feature Extraction, Process Monitoring and Fault Diagnosis"***

**March 21, 2:00-3:00pm: Genki Ichinose (Shizuoka University, Japan)**

***"Positive and Negative Effects of Social Impact on Evolutionary Vaccination Game in Networks"***

**March 22: Changqing Cheng (SSIE, Binghamton University)**

***"Graph Theoretic Approach for Gait Characterization towards Detection of Dementia"***

**March 29: Daehan Won (SSIE, Binghamton University)**

***"Machine Learning on the Structured Data: Convex Optimization for Group Feature Selection of Networked Data"***

**April 5: Haifeng Wang (ISE, Binghamton University)**

***"An Ensemble Machine Learning Approach for Robust Cancer Diagnosis"***

**April 19, 11:00am-12:00pm: Gourab Ghoshal (University of Rochester)**

***"Urban Morphology and Structural Invariants in Street Networks"***

**April 21, 1:00-2:00pm: Xiao Liu (IBM Thomas J. Watson Research Center)**

***"A Statistical Modeling Approach for Spatio-Temporal Data and Its Applications"***

**April 27, 3:00-4:00pm (EB-R3): Mark Sellers (Northrop Grumman Laser Systems / SS, Binghamton University)**

***"Why Is 'Systems Thinking' So Rare?"***

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