

SEMINAR SERIES ON

COMPLEX SYSTEMS, NETWORKS, CONTROL AND APPLICATIONS

Fridays, January 19 to May 18, 2018, 4:30pm - 5:30pm

Room B6605 (Blue Zone), City University of Hong Kong

Room CD634 (Enter from D or E core), Hong Kong Polytechnic University

All seminars will be in English

[The Centre for Chaos and Complex Networks](#) at the City University of Hong Kong and the [Department of Electronic and Information Engineering](#) at the Hong Kong Polytechnic University continue their joint seminar series in this semester, to present tutorial overviews and original research work in the general areas of chaos and bifurcation, systems control, complex networks and their engineering applications. A list of tentative topics and schedule is as follows.

19 Jan <input type="checkbox"/> 	Prof. Michael Small, University of Western Australia, Australia <i>Building networks with discrete dynamics from time series</i> (Venue: G6302, CityU, Chair: R. Chen)
23 Jan (Tue) <input type="checkbox"/> 	Prof. Anders Lindquist, Royal Institute of Technology, Sweden <i>What is the connection between artificial speech and modern mathematics, and how can this be used in system identification and robust control?</i> (Venue: B6605, CityU, Chair: J. Chen)
26 Jan <input type="checkbox"/> 	Prof. Yanmei Kang, Xi'an Jiaotong University, China <i>Some Quantitative Analysis for Stochastic Dynamics of Gene Regulatory Networks</i> (Venue: CD634, PolyU, Chair: M. Tse)
2 Feb (11am)  	Prof. Michael Rosenbluh, Bar-Ilan University, Israel <i>Enabling the Use of the Bandwidth Resource in Coherent Optical Detection</i> (Venue: B6605, CityU, Chair: N. Chan)
2 Feb <input type="checkbox"/> 	Prof. Shinji Hara, Chuo University, Japan <i>Hierarchically Decentralized Control Synthesis with Electric Vehicle Applications</i> (Venue: B6605, CityU, Chair: J. Chen)
9 Feb <input type="checkbox"/> 	Dr Yuhong Wang, Hong Kong Polytechnic University <i>Urban Road Networks: From Ordinary to Extraordinary</i> (Venue: CD634, PolyU, Chair: M. Tse)
16 Feb	CHINESE NEW YEAR
23 Feb <input type="checkbox"/> 	Dr Shaofu Yang, Southeast University, China <i>Distributed Optimization Based on Networked Systems</i> (Venue: B6605, CityU, Chair: W. Tang)
2 Mar <input type="checkbox"/> 	Dr Changyuan Yu, Hong Kong Polytechnic University <i>Physical Layer of Optical Fiber Communication and Sensor Systems</i> (Venue: CD634, PolyU, Chair: F. Lau)

9 Mar <input type="checkbox"/> 	Dr Yao Guo, Fudan University, China, and York University, Canada <i>From Randomly Switched Systems to Temporal Complex Networks: Stability and Synchronization</i> (Venue: G6302, CityU, Chair: K.W. Chung)
16 Mar <input type="checkbox"/> 	Dr Man-Wai Mak, Hong Kong Polytechnic University <i>Deep Learning: Concepts, Tools, and Applications</i> (Venue: CD634, PolyU, Chair: M. Tse)
23 Mar <input type="checkbox"/> 	Dr Mark Saul, American Institute of Mathematics, San Jose, USA <i>Computer Science Unplugged</i> (Venue: Y6405, CityU, Chair: C.W. Tan)
30 Mar	GOOD FRIDAY
6 Apr <input type="checkbox"/> 	DAY FOLLOWING CHING MING HOLIDAY In view of the long weekend following Ching Ming Festival, the turn-up rate is expected to be low and Dr Wen Chen's seminar will be rescheduled to another date.
13 Apr <input type="checkbox"/> 	Dr Qingpeng Zhang, City University of Hong Kong <i>Optimizing HIV Interventions for Multiplex Social Networks via Partition-Based Random Search</i> (Venue: B6605, CityU, Chair: L. Dai)
20 Apr <input type="checkbox"/> 	Dr Gang Li, Hong Kong Polytechnic University <i>Application of Solution Process Organic Semiconductors in Printable Solar Photovoltaic Device</i> (Venue: CD634, PolyU, Chair: F. Lau)
27 Apr <input type="checkbox"/> 	Dr Guofeng Zhang, Hong Kong Polytechnic University <i>Quantum gradient descent algorithm</i> (Venue: B6605, CityU, Chair: N. Chan)
4 May <input type="checkbox"/> 	Prof. Xu Zhao, Hong Kong Polytechnic University <i>Advanced control strategies enabling grid integration of wind power</i> (Venue: CD634, PolyU, Chair: M. Tse)
11 May <input type="checkbox"/> 	Dr Yang Lou, City University of Hong Kong <i>Toward Stronger Robustness of Network Controllability</i> (Venue: B6605, CityU, Chair: T. Chow)
18 May (2:30pm) <input type="checkbox"/> 	Prof. Frank Allgower, University of Stuttgart, Germany <i>Live and Let die - How control theory may contribute to the cure of cancer</i> (Venue: G6302, CityU, Chair:)