SEMINAR SERIES ON

COMPLEX SYSTEMS, NETWORKS, CONTROL AND APPLICATIONS

Fridays, September 2 to December 16, 2016, 4:30pm - 5:30pm
Room B6605 (Blue Zone) or **G6302** (Green Zone), City University of Hong Kong
Room CD634 (Enter from D or E core), Hong Kong Polytechnic University
☐ *Tea and coffee served at 4:15pm outside the venue*

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 systems theory, control, complex networks and their engineering applications. A list of tentative topics and schedule is as follows.

26 Aug	Prof. Xuan Zeng, Fudan University *Analysis and Optimization of Large Scale Integrated Circuits under Nanometer Process Technology* (Venue: CD634, PolyU, Chair: M. Tse)
26 Aug **(4pm)**	Ms Yorie Nakahia, California Institute of Technology, USA *LQ vs. L infinity in controller design for systems with delay and quantization* (Venue: G6302, CityU, Chair: J. Chen)
2 Sept **(11am)**	Prof. Tsai-Fu Wu, National Tsing Hua University, Taiwan *Decoding and Synthesizing PWM Converters* (Venue: CD634, PolyU, Chair: M. Tse)
2 Sept	Dr Yongxiang Xia, Zhejiang University *Link prediction in complex networks: An information theory perspective* (Venue: B6605, CityU, Chair: W. Tang)
9 Sept	Dr Haibo Hu, Hong Kong Polytechnic University *Studying Mobile Privacy as a Non-Cryptographer - A Personal 10-Year Retrospect and Outlook* (Venue: CD634, PolyU, Chair: M. Tse)
16 Sept	**PUBLIC HOLIDAY: Mid-Autumn Festival Observed**
23 Sept	Mr Dong Yang, City University of Hong Kong *On Facebook network modeling* (Venue: B6605, CityU, Chair: K.W. Chung)
30 Sept	Mr Xingtang Wu, Beijing Jiaotong University *Analysis of Metro Network Performance from a Network Perspective* (Venue: CD634, PolyU, Chair: B. Cheng)
7 Oct	Dr Congduan Li, The Chinese University of Hong Kong *On Multi-source Multi-sink Hyperedge Networks: Enumeration, Rate Region Computation, and Hierarchy* (Venue: B6605, CityU, Chair: L. Dai)
14 Oct	Miss Ronghua Xu, City University of Hong Kong *Topological Characteristics of the Hong Kong Stock Market: A Test-based P-threshold Approach to Understanding Network Complexity* (Venue: CD634, PolyU, Chair: I.W.H. Ho)
21 Oct	Dr Andreas C. Joseph, Bank of England *An agent-based model for network market formation: on the organisation of international trade* (Venue: B6605, CityU, Chair: T. Chow)

28 Oct	Prof. Michal B. Paradowski, University of Warsaw, Poland *Complexity, networks, and language: from innovation diffusion to language acquisition* (Venue: CD634, PolyU, Chair: F. Lau)
4 Nov	Prof. Charles K. Chui, Stanford University, USA *From systems/networks/control to super-resolution recovery from blind-source models of exponential sums* (Venue: B6605, CityU, Chair: R. Chen)
11 Nov	Mr. Zhongyan Fan, City University of Hong Kong *Study of Internet eXchange Point (IXP) from a complex network perspective* (Venue: CD634, PolyU, Chair: I.W.H. Ho)
18 Nov	Dr Katie Kei Hang Chan, The Chinese University of Hong Kong *Assessing the genetic architecture of metabolic diseases: from candidate genes to pathways and networks* (Venue: B6605, CityU, Chair: N. Chan)
25 Nov	Prof. Michael Small, University of Western Australia, Australia *Australian Rules Football, and Complex Networks* (Venue: CD634, PolyU, Chair: M. Tse)
2 Dec	Dr Qingpeng Zhang, City University of Hong Kong *Semantic Social Network Analysis Using Tensor Factorization* (Venue: B6605, CityU, Chair: W. Tang)
9 Dec	Dr Weifeng Jin, Zhejiang Medical University, China *Classification and symbolic dynamics of evolutionary dynamical systems on one-dimensional regular lattices* (Venue: CD634, PolyU, Chair: F. Lau)
16 Dec	Prof Housheng Su, Huazhong University of Science and Technology *Coordinated control of multi-agent systems with actuator saturation* (Venue: B6605, CityU, Chair: R. Chen)