

## SEMINAR SERIES ON

# COMPLEX SYSTEMS, NETWORKS, CONTROL AND APPLICATIONS

**Fridays, January 15 to May 14, 2016, 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

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

15 Jan	Dr Chao Zhai, University of Hong Kong <i>Design and Validation of a Virtual Player for Studying Interpersonal Coordination in the Mirror Game</i> (Venue: B6605, CityU, Chair: R. Chen)
22 Jan	Prof. Marcos Katz, University of Oulu, Finland <i>An Introduction to Mobile Clouds</i> (Venue: B6605, CityU, Chair: L. Dai)
29 Jan	Prof. Rubin Wang, East China University of Science and Technology <i>Discussion about Cognitive Encoding and Neural Energy</i> (Venue: CD634, PolyU, Chair: M. Tse)
5 Feb	<b>WEEK BEFORE CHINESE NEW YEAR</b>
12 Feb	<b>CHINESE NEW YEAR</b>
19 Feb	Prof. Xinghuo Yu, RMIT University, Australia <i>Switching in Complex Networks: Analysis and Synthesis</i> (Venue: B6605, CityU, Chair: T. Chow)
26 Feb	Dr Hua Yang, Nanjing University of Posts and Telecommunications, China <i>TBD</i> (Venue: <b>EF502b</b> , PolyU, Chair: B. Cheng)
4 Mar	Mr Qi She, University of Hong Kong <i>Evaluating the Small-World-Ness of a Sampled Network: Functional Connectivity of Entorhinal-Hippocampal Circuitry</i> (Venue: B6605, CityU, Chair: K.W. Chung)
11 Mar	Dr Siu Chung Wong, Hong Kong Polytechnic University <i>Inductive Power Transfer: An Introduction</i> (Venue: CD634, PolyU, Chair: F. Lau)
18 Mar	Dr Lin Wang, Shanghai Jiao Tong University, China <i>Controllability and Observability of Networked Systems</i> (Venue: B6605, CityU, Chair: R. Chen)
25 Mar	<b>GOOD FRIDAY</b>

1 Apr	Prof. Takashi Hikihara, Kyoto University, Japan <i>Power Packetization based on High Frequency Switching of SiC Power Device</i> (Venue: CD634, PolyU, Chair: M. Tse)
8 Apr	Mr Felix Yang Lou, City University of Hong Kong <i>Communicating on Complex Networks: A Naming Game Model</i> (Venue: B6605, CityU, Chair: N. Chan)
15 Apr	Mr Nuwan Ganganath, Hong Kong Polytechnic University <i>Distributed Anti-Flocking Algorithms for Dynamic Coverage of Mobile Sensor Networks</i> (Venue: CD634, PolyU, Chair: B. Cheng)
22 Apr	Dr Michael Z.Q. Chen, University of Hong Kong <i>Tssive Mechanical Control and Network Synthesis with Inerter</i> (Venue: B6605, CityU, Chair: W. Tang)
29 Apr	Dr Zhihai Rong, University Electronic Science and Technology of China <i>Evolution of Zero-determinant Strategies in Complex Networks</i> (Venue: CD634, PolyU, Chair: B. Cheng)
6 May(6:30pm)	Prof. Alexander Holevo, Steklov Mathematical Institute, Moscow, Russia <i>Quantum Signal+Noise Models: Beyond I.I.D.</i> (Venue: B6605, CityU, Chair: C.W. Tan)
13 May	Miss Tanuja Shanmukhappa and Mr Xingtang Wu, Hong Kong Polytechnic University <i>Is the bus network in Hong Kong scalefree? How does our MTR network compare with those of London, Paris, Tokyo and Beijing? Some preliminary findings for discussion.</i> (Venue: CD634, PolyU, Chair: Ivan Ho)