

## SEMINAR SERIES ON

# COMPLEX SYSTEMS, NETWORKS, CONTROL AND APPLICATIONS

**Fridays, January 20 to May 19, 2017, 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.

20 Jan <input type="checkbox"/> 	Dr Daihai He, Hong Kong Polytechnic University <i>Mathematical modelling of Zika virus outbreaks in French Polynesia, Colombia and the State of Bahia in Brazil</i> (Venue: B6605, CityU, Chair: R. Chen)
27 Jan	<b>WEEK BEFORE CHINESE NEW YEAR</b>
03 Feb	<b>WEEK AFTER CHINESE NEW YEAR</b>
10 Feb <input type="checkbox"/> 	Prof. Wei Lin, Fudan University, China <i>Identification of time delays and directional interactions</i> (Venue: B6605, CityU, Chair: K.W. Chung)
17 Feb <input type="checkbox"/> 	Dr Zhongkui Li, Peking University, China <i>On the scalability and robustness in cooperative control</i> (Venue: CD634, PolyU, Chair: B. Cheng)
24 Feb <input type="checkbox"/> 	Prof. Emily S C Ching, Chinese University of Hong Kong <i>Reconstructing networks from noisy dynamics</i> (Venue: B6605, CityU, Chair: R. Chen)
03 Mar <input type="checkbox"/> 	Prof. Géza Kolumban, Pázmány Péter Catholic University, Hungary <i>Application of UWB Impulse Radio Technology in In-Car and Vehicle-to-Vehicle Communications: Derivation of Power Limits from the FCC Regulations</i> (Venue: CD634, PolyU, Chair: F. Lau)
10 Mar <input type="checkbox"/> 	Dr Guofeng Zhang, Hong Kong Polytechnic University <i>Kalman decomposition of quantum linear systems</i> (Venue: G6302, CityU, Chair: N. Chan)
15 Mar (Wed) <input type="checkbox"/> 	Prof. Francisco J. Vargas, Universidad Tecnica Federico Santa Maria, Chile <i>On the relation between lossy channels and additive noise channels in the context of Networked Control Systems</i> (Venue: G6302, CityU, Chair: J. Chen)

17 Mar <input type="checkbox"/> 	Mr Xi Zhang and Mr Dong Liu, Hong Kong Polytechnic University <i>Impact of cyber coupling on power system's robustness</i> (Venue: CD634, PolyU, Chair: M. Tse)
24 Mar <input type="checkbox"/> 	Mr Xiongrui Xu, University of Electronic Science and Technology of China <i>How individuals make decisions in game experiments</i> (Venue: CD634, PolyU, Chair: F. Lau)
31 Mar <input type="checkbox"/> 	Dr Mark Saul, American Institute of Mathematics, USA <i>Think deeply of simple things</i> (Venue: B6605, CityU, Chair: C.W. Tan)
07 Apr <input type="checkbox"/> 	Miss Wenying Xu, City University of Hong Kong <i>Event-triggered schemes of multi-agent systems</i> (Venue: B6605, CityU, Chair: W. Tang)
14 Apr	<b>GOOD FRIDAY</b>
21 Apr <input type="checkbox"/> 	Dr Sunantha Sodsee, King Mongkut's University of Technology North Bangkok, Thailand <i>Applying Multiple Objectives Optimisation in Item Recommendations</i> (Venue: CD634, PolyU, Chair: B. Cheng)
28 Apr <input type="checkbox"/> 	Dr Michael Z Q Chen, University of Hong Kong <i>Passive Network Synthesis: Classical Results and Recent Advances</i> (Venue: B6605, CityU, Chair: L. Dai)
5 May <input type="checkbox"/> 	Miss Jing Wang, Hong Kong Polytechnic University <i>Resource Allocation Solutions for Cloud Data Centers</i> (Venue: CD634, PolyU, Chair: B. Cheng)
12 May <input type="checkbox"/> 	Miss Tanuja Shanmukhappa, Hong Kong Polytechnic University <i>Bus Transport Network Analysis of Different Cities using Network Theory</i> (Venue: EF502b, PolyU, Chair: I. Ho)
19 May <input type="checkbox"/> 	Prof. Paul Kuehn, University of Stuttgart, Germany <i>Challenges of Cyber-Physical Systems to Communication Networking - Making IoT, Smart Grid, and M2M Applications Possible</i> (Venue: LT-8, CityU, Chair: M. Zukerman)