



Technical co-sponsor:  
**IEEE Robotics and Automation/Control Systems Joint Chapter**

*Jointly present*

HOME

SEMINAR SERIES ON

Past  
Seminars

## COMPLEX SYSTEMS, NETWORKS, CONTROL AND APPLICATIONS

**Fridays, January 18 to May 24, 2019, 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

▪ [Complete archive](#)

▪ 2018/19  
Semester  
1

▪ 2017/18  
Semester  
2

▪ 2017/18  
Semester  
1

▪ 2016/17  
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2

▪ 2016/17  
Semester  
1

▪ 2015/16  
Semester  
2





▪ 2015/16  
Semester  
1

▪ 2014/15  
Semester  
2



**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.

|  |   |
|--|---|
| 9 Jan<br>(3:00pm)<br> | Prof. Armand M. Makowski, University of Maryland College Park, USA<br><i>Degree distributions in large networks: A little theory and a counterexample</i> (Venue: G6302, CityU, Chair: M. Zukerman)             |
| 18 Jan<br>            | Dr Nelson Chan, City University of Hong Kong<br><i>Semiconductor Laser Dynamics for High-Speed Random Signal Generation</i> (Venue: G6302, CityU, Chair: R. Chen)   |
| 25 Jan<br>            | Mr Pengwei Zhang and Mr Sheng Jiang, Hong Kong Polytechnic University<br><i>Design and implementation of error correction codes approaching the ultimate Shannon limit</i> (Venue: CD634, PolyU, Chair: F. Lau) |
| 1 Feb  | <b>WEEK BEFORE CHINESE NEW YEAR</b>   |
| 8 Feb  | <b>CHINESE NEW YEAR HOLIDAY</b>   |
| 15 Feb<br>            | Dr Xu Zhang, Shandong University, Weihai, China<br><i>Smale horseshoes in polynomial maps</i> (Venue: G6302, CityU, Chair: R. Chen)   |
| 22 Feb   | Mr Zhenhui Situ, Hong Kong Polytechnic University<br><i>Non-orthogonal V2X Communications</i> (Venue: CD634, PolyU, Chair: I. Ho)   |

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|----------------------|---|--|
| ▪ 2014/15 Semester 1 |     |  |
|                      | 1 Mar   | Prof. H. C. So, City University of Hong Kong<br><i>Outlier-Robust Matrix Completion via <math>L_p</math> Minimization</i> (Venue: G6302, CityU, Chair: L. Dai)   |
| ▪ 2013/14 Semester 2 |    |  |
|                      | 8 Mar   | Dr Xiaofan Liu, City University of Hong Kong<br><i>Detecting pyramid selling in cryptocurrency industry: An empirical evidence from blockchain data analysis</i> (Venue: CD634, PolyU, Chair: M. Tse)                |
| ▪ 2013/14 Semester 1 |    |  |
|                      | 15 Mar  | Mr Dong Yang, City University of Hong Kong<br><i>Information spreading on the social networks</i> (Venue: G6302, CityU, Chair: T. Chow)  |
|                      | 22 Mar  | Dr Chee Wei Tan, City University of Hong Kong<br><i>What can an AI Chatbot teach you?</i> (Venue: Y5-202, CityU, Chair: C.W. Tan)  |
| ▪ 2012/13 Semester 2 |    |  |
|                      | 29 Mar  | Dr Jun Zhang, Hong Kong Polytechnic University<br><i>Machine Learning for Optimization in Dense Wireless Networks</i> (Venue: CD634, PolyU, Chair: M. Tse)   |
| ▪ 2012/13 Semester 1 |   | 5 Apr <b>CHING MING HOLIDAY</b>  |
|                      | 12 Apr  | Dr Min Xue, Hong Kong Polytechnic University<br><i>Ultra-high Resolution Optical Vector Analysis based on Microwave Photonics</i> (Venue: CD634, PolyU, Chair: Changyuan Yu)   |
| ▪ 2011/12 Semester 2 |    |  |
|                      | 18 Apr (Thurs 4:30pm)   | Prof. Kameshwar Poolla, University of California, Berkeley, USA<br><i>The Sharing Economy for the Smart Grid</i> (Venue: G6302, CityU, Chair: J. Chen)   |
| ▪ 2011/12 Semester 1 |   | 19 Apr <b>EASTER HOLIDAY</b>   |
|                      | 26 Apr  | Prof. Geza Kolumban, Pazmany Peter Catholic University, Hungary<br><i>Exploiting Nonlinear Modeling and Dynamics to Improve the Performance of Sampling Phase-Locked Loops</i> (Venue: B6605, CityU, Chair: W. Tang) |
| ▪ 2010/11 Semester 2 |  |  |
|                      | 3 May   | Mr Dong Liu, Hong Kong Polytechnic University<br><i>Modeling of Cyber-Coupled Power Systems with Attack-Defense Interaction</i> (Venue: CD634, PolyU, Chair: M. Tse)   |
| ▪ 2010/11 Semester 1 |  |  |
|                      | 10 May  | Mr Jianqi Chen, City University of Hong Kong<br><i>Delay Margin Achievable by PID Control</i> (Venue: B6605, CityU, Chair: J. Chen)  |
| ▪ 2009/10 Semester 2 |  |  |
|                      | 17 May  | Ms Xinyu Wang, Hong Kong Polytechnic University<br><i>TBD</i> (Venue: CD634, PolyU, Chair: F. Lau)   |
| ▪ 2009/10 Semester 1 |   |  |

## Campus Maps

- Campus Map of CityU
- Campus Map of PolyU