



THE HONG KONG
POLYTECHNIC UNIVERSITY
Department of Electronic and Information Engrg.
香港理工大學 電子及資訊工程學系

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

Jointly present

Past Seminars

- Current Schedule
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- 2017/18 Semester 2
- 2017/18 Semester 1

Campus Maps

- Campus Map of CityU
- Campus Map of PolyU

Links

- Centre for Chaos and Complex Networks at CityU
- Applied Nonlinear Circuits and Systems

SEMINAR SERIES ON

COMPLEX SYSTEMS, NETWORKS, CONTROL AND APPLICATIONS

Fridays, September 7 to December 14, 2018, 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.

7 Sept	Dr Lin Wang, University of Hong Kong <i>Dynamics underlying global spread of emerging epidemics: An analytical view</i> (Venue: BB6605, CityU, Chair: R. Chen)
14 Sept	Dr Anushree Mahapatra, Hong Kong Polytechnic University <i>Machine learning based estimators for Heuristic optimization</i> (Venue: CD634, PolyU, Chair: F. Lau)
21 Sept	Dr Yaru Fu, City University of Hong Kong <i>Non-orthogonal Multiple Access (NOMA) Research Directions</i> (Venue: G6302, CityU, Chair: L. Dai)
28 Sept (10:00am)	Prof. Jonathan Manton, University of Melbourne, Australia <i>Optimisation Geometry</i> (Venue: G6302, CityU, Chair: M. Zukerman)
28 Sept	Mr Muhammad Yaqoob, Hong Kong Polytechnic University <i>Advanced Topologies and Modulation Schemes for High-Efficiency Operation of Dual-Active-Bridge Series-Resonant DC-DC Converter</i> (Venue: CD634, PolyU, Chair: K.H. Loo)
5 Oct	Mr Lin Ling, City University of Hong Kong <i>Proving Inequalities in Information Theory: Theory, Computational Challenges and Scalable Solutions</i> (Venue: B6605, CityU, Chair: C. W. Tan)
12 Oct	Dr Yanni Sun, City University of Hong Kong <i>RNA virus characterization from microbial community sequencing data</i> (Venue: B6605, CityU, Chair: W. Tang)
19 Oct	IWCSN in Nanjing SEMINAR CANCELLED THIS WEEK

**Research
Group at
PolyU**

- CityU
- PolyU

**Inquiries
about the
Seminars**

- Ron Chen
- Wallace
Tang
- Michael
Tse

26 Oct	Miss Lucia Li, Hong Kong Polytechnic University <i>Basic Structures of Interconnected Converters for Single-Input Multiple-Output Applications</i> (Venue: CD634, PolyU, Chair: M. Tse)
2 Nov	Mr Zhongyan Fan, City University of Hong Kong <i>Knowledge consensus in complex networks: Roles of perception and categorization</i> (Venue: G6302, CityU, Chair: K.W. Chung)
9 Nov	Prof. Tsorng-Juu Liang, National Cheng-Kung University, Taiwan <i>Developments and Applications of Power Electronics</i> (Venue: CD634, PolyU, Chair: M. Tse)
16 Nov	Prof. Michael Tse, Hong Kong Polytechnic University <i>Wireless Power Transfer Technologies</i> (Venue: B6605, CityU, Chair: T. Chow)
23 Nov	Dr Wen Chen, Hong Kong Polytechnic University <i>Fundamental Optics for Information Security</i> (Venue: CD634, PolyU, Chair: F. Lau)
30 Nov	Dr Yixuan Yuan, City University of Hong Kong <i>Computer-aided Automatic Medical Image Analysis with Machine Learning</i> (Venue: B6605, CityU, Chair: N. Chan)
7 Dec	Dr Keith Ngan, School of Energy and Environment, City University of Hong Kong <i>Atmospheric Predictability since Lorenz</i> (Venue: CD634, PolyU, Chair: M. Tse)
14 Dec	Dr Lin Dai, City University of Hong Kong <i>Massive Random Access: Fundamental Limits, Optimal Design, and Applications to M2M Communications</i> (Venue: B6605, CityU, Chair: N. Chan)

Last updated August 2018. For problems browsing this homepage, please contact [Michael Tse](#).