



Technical Co-sponsor: IEEE Hong Kong Section
 Robotics and Automation/Control Systems Joint
 Chapter
Jointly present

SEMINAR SERIES ON
CHAOS, CONTROL AND COMPLEX NETWORKS
Fridays, 2 Sept – 16 Dec 2011, 4:30 pm – 5:30 pm
 Room **B6605**, City University of Hong Kong
 Or Room **CD634**, Hong Kong Polytechnic University
 (All presentations 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, and their engineering applications. A list of tentative topics and schedule is as follows.

2 Sept	Dr Michael Small, Hong Kong Polytechnic University <i>The grass is always greener</i> (Venue: CD634, PolyU, Chair: M. Tse)
9 Sept	Dr Yong Zou, Hong Kong Polytechnic University <i>Recurrences and Complex Networks</i> (Venue: B6605, CityU, Chair: G. Chen)
16 Sept	Mr Yue Zhao, Hong Kong Polytechnic University <i>Efficient Decoding of QC-LDPC Codes Using GPUs</i> (Venue: CD634, PolyU, Chair: F. Lau)
22 Sept (Thur 11:00)	Dr Steve Gregory, University of Bristol, UK <i>Overlapping Community Structure in Networks</i> (Venue: B6605, CityU, Chair: W. Tang)
23 Sept	Prof. Michal B. Paradowski, University of Warsaw, Poland <i>Language as a Complex Adaptive System: Investigating Innovation Injection in a Social Network</i> (Venue: B6605, CityU, Chair: W. Tang)
30 Sept	Prof. Maciej Ogorzalek, Jagiellonian University, Krakow, Poland <i>Recent Developments in Fractal Nano-Electronic Structures and New Ideas for Self-Powered Integrated Circuits</i> (Venue: CD634, PolyU, Chair: M. Small)
7 Oct	Mr Meng Huang, Hong Kong Polytechnic University <i>Catastrophic Bifurcation in Three-Phase Power Rectifiers</i> (Venue: B6605, CityU, Chair: KW Wong)
14 Oct	Dr Ivan Ho, Hong Kong Polytechnic University <i>Stochastic Model and Connectivity Dynamics for VANETs</i> (Venue: CD634, PolyU, Chair: M. Tse)
21 Oct	Prof. Vyacheslav Abramov, City University of Hong Kong <i>Level-crossings of Symmetric Random Walks and Their Applications</i> (Venue: B6605, CityU, Chair: M. Zukerman)
28 Oct	Dr Rosa Chan, City University of Hong Kong <i>Nonlinear Dynamic Modeling of Neural Population Activity</i> (Venue: CD634, PolyU, Chair: F. Lau)
4 Nov	Dr Ray Cheung, City University of Hong Kong <i>Secure Processor Architecture</i> (Venue: B6605, CityU, Chair: T. Chow)
11 Nov	Dr Gongsheng Huang, City University of Hong Kong <i>Robust Control of HVAC Systems</i> (Venue: CD634, PolyU, Chair: M. Tse)
18 Nov	Dr Xiaoke Xu, Hong Kong Polytechnic University <i>Reciprocal Behaviors in Pigeon Flocks</i> (Venue: B6605, CityU, Chair: KW Chung)
25 Nov	Dr Dave Walker, University of Melbourne, Australia <i>TBD</i> (Venue: CD634, PolyU, Chair: M. Small)
2 Dec	Dr Zhengping Fan, Sun Yat-sen University, Guangzhou <i>Understanding and Modeling the AS-level Internet Topology</i> (Venue: B6605, CityU, Chair: KT Ko)
9 Dec	Prof. Herbert Iu, University of Western Australia, Australia <i>Recent Research on Memristor Based Circuits</i> (Venue: CD634, PolyU, Chair: M. Tse)
16 Dec	Dr. Stuart Milner, University of Maryland, College Park, USA <i>Control and Prediction in Wireless Networks</i> (Venue: B6605, CityU, Chair: G. Chen)