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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, 14 Jan – 25 May 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.

14 Jan	Prof. Ron Addie, University of Southern Queensland, Australia *Geometry and Gaussian measures in performance evaluation* (Venue: B6605, CityU, Chair: M. Zukerman)
20 Jan (Thur 11am)	Prof. Okyay Kaynak, Bogazici University, Turkey (Former President, IEEE Industrial Electronics Society) *The entanglement of control and IT: intelligent control in mechatronics* (Venue: CD634, PolyU, Chair: M. Tse)
21 Jan	Prof. Zvi Rosberg, Visiting Professor, CityU *A generic time driven fractional wavelength optical circuit switches* (Venue: G6302, CityU, Chair: M. Zukerman)
28 Jan	Dr Jane Wang, University of Bristish Columbia, Canada (Visiting Associate Professor, PolyU) *Signal processing methods for brain connectivity modeling* (Venue: CD634, PolyU, Chair: F. Lau)
4 Feb	**CHINESE NEW YEAR**
11 Feb	Dr Patrick Lee, The Chinese University of Hong Kong *A secure overlay cloud storage system with access control and assured deletion* (Venue: G6302, CityU, Chair: R. Cheung)
18 Feb	Mr Meng Huang, Department of Electronic and Information Engineering, PolyU *Catastrophic bifurcation in three-phase boost rectifiers: experimental observation* (Venue: CD634, PolyU, Chair: M. Tse)
25 Feb	Prof. Guanrong Chen, Department of Electronic Engineering, CityU *How to write a good English technical paper for publication?* **[in Putonghua]** (Venue: Lecture Theatre 9, CityU)
4 Mar	Dr K. H. Loo, Faculty of Engineering, PolyU *Introduction to some recent issues on driving light-emitting diodes* (Venue: CD634, PolyU, Chair: M. Tse)
11 Mar	Dr Zhongzhi Zhang, Fudan University *Random walks on complex networks* (Venue: B6605, CityU, Chair: T. Chow)
15 Mar (Tue 3:30pm)	Dr Kai-Yuen Cheong, Japan Advanced Institute of Science and Technology, Japan *On the recent topics of cryptography* (Venue: CD634, PolyU, Chair: F. Lau)
18 Mar	Original talk re-scheduled to April 1, 2011, in order to allow participation in the Public Seminar on "*The Fukushima nuclear mishap*" by Prof. C.H. Woo at AG710, PolyU, same time.
25 Mar	Dr Pitikhate Sooraksa, King Mongkut's Institute of Technology Ladkrabang, Thailand *A minimum complex network of robots* (Venue: B6605, CityU, Chair: A. Leung)

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1 Apr	Dr Kai-Yuen Cheong, Japan Advanced Institute of Science and Technology, Japan *Quantum information technology* (Venue: CD634, PolyU, Chair: F. Lau)
8 Apr	Miss Yuan Lin, Fudan University *Counting spanning trees in self-similar complex networks* (Venue: B6605, CityU, Chair: K.W. Wong)
15 Apr	Dr Lachlan L. H. Andrew, Swinburne University of Technology, Australia *Controlling the Internet to improve energy efficiency* (Venue: B6605, CityU, Chair: M. Zukerman)
22 Apr	**EASTER FRIDAY**
29 Apr	Prof. Jiu Ding, University of Southern Mississippi, USA *A least squares method for computing a fixed density of the Frobenius-Perron operator* (Venue: B6605, CityU, Chair: G. Chen)
6 May	Mr Graciano Dieck Kattas, Department of Electronic and Information Engineering, PolyU *Modelling of pigeon flocks for simulation and determination of collective behavior* (Venue: CD634, PolyU, Chair: M. Small)
13 May	Dr K.W. Wong, City University of Hong Kong *Source coding, encryption and channel coding based on chaos* (Venue: B6605, CityU, Chair: W. Tang)
25 May (Wed 11:00am)	Prof. David Hill, The University of Sydney, Australia *Smart grids* (Venue: B6605, CityU, Chair: G. Chen)

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