香港城市大學
City University of Hong Kong
混沌及複雜網絡研究中心
Centre for Chaos and Complex Networks

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

◆IEEE

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

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SEMINAR SERIES ON
CHAOS, CONTROL AND COMPLEX NETWORKS
Fridays, 27 Aug – 17 Dec 2010, **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**)

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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.

27 Aug   Dr Zvi Rosberg, CSIRO ICT Centre, Sydney, Australia
Revamping Fairness and QoS of the Public Internet (Venue: B6605, CityU, Chair: M. Zukerman)

31 Aug
(Tue)   Dr Joy Zhao Sun, National Institute of Aerospace, Norfolk, VA, USA
TBD (Venue: B6605, CityU, Chair: J. Chen)

3 Sept   Mr Zhen Li, Hong Kong Polytechnic University
Bifurcation in Wind Energy Generation Systems (Venue: CD634, PolyU, Chair: M. Tse)

10 Sept   Dr Michael Z.Q. Chen, University of Hong Kong
Inerter and Passive Mechanical Synthesis (Venue: B6605, CityU, Chair: W. Tang)

17 Sept   Prof. Geza Kolumban, Peter Pazmany Catholic University, Hungary
UWB impulse radio: The Theoretical and Practical Limits of a New Communication Idea (Venue: CD634, PolyU, Chair: F. Lau)

24 Sept   Dr Chi-Wai Yu, City University of Hong Kong
Hybrid FPGA: Architecture and Modeling (Venue: B6605, CityU, Chair: R. Cheung)

30 Sept
(Thurs
2:30pm)   Dr Chai Wah Wu, IBM TJ Watson Research Lab, USA (Adjunct Professor, PolyU)
TBD (Venue: CD634, PolyU, Chair: M. Tse)

1 Oct   **NATIONAL DAY HOLIDAY**

8 Oct   Dr Haruna Matsushita, Hosei University, Tokyo, Japan
Network-Structured Particle Swarm Optimization (Venue: CD634, PolyU, Chair: M. Tse)

15 Oct   Dr Derek Pao, City University of Hong Kong
Recent Researches on IP Lookup (Venue: B6605, CityU, Chair: T. Ko)

22 Oct   Dr Bonnie Law, Hong Kong Polytechnic University
Use of Signal Processing Techniques in Bioinformatics (Venue: CD634, PolyU, Chair: F. Lau)

29 Oct   Prof. Andrew Leung, City University of Hong Kong
Residue Harmonic Balance for Periodic Solutions of Nonlinear Systems (Venue: B6605, CityU, Chair: T. Chow)

5 Nov   Prof. Maciej Ogorzalek, Jagiellonian University, Poland

Inquiry: G. Ron Chen (gchen@ee.cityu.edu.hk) or C.K. Michael Tse (encktse@polyu.edu.hk)

	3D Integrated Circuits - Small World Networks on Chip (Venue: CD634, PolyU, Chair: M. Small)
11 Nov (Thurs)	Dr Shi Zhou, University College London, UK *Why is the Internet so "Small"?* (Venue: G6302, CityU, Chair: K.W. Chung)
12 Nov	Moved to 11 November 2010
19 Nov	Dr Shi Zhou, University College London, UK *Modelling Document Networks* (Venue: CD634, PolyU, Chair: S.C. Tan)
26 Nov	Dr Chengqing Li, Hong Kong Polytechnic University *Cryptanalysis of a Class of Image Encryption Schemes Based on Chaos* (Venue: B6605, CityU, Chair: K.W. Wong)
3 Dec	Dr H. S. Su, Huazhong University of Science and Technology, China *Some Recent Developments in Flocking Control* (Venue: CD634, PolyU, Chair: M. Small)
10 Dec	Dr Tao Gong, University of Hong Kong *Using Price Equation and Polya Urn Simulation to Study Language Change in a Social Environment* (Venue: B6605, CityU, Chair: R. Chen)
17 Dec	Dr Yantao Feng, The Australian National University, Australia *Game Theoretic Algorithm to Solve Riccati (Isaacs) Equations in H-Infinity Control* (Venue: CD634, PolyU, Chair: M. Tse)