



Jointly present

SEMINAR SERIES ON

CHAOS AND SYSTEMS CONTROL

Fridays, 10 January – 12 May 2006, 4:30 pm – 5:30 pm

Room **B6605** or **G6302**, City University of Hong Kong

Or Room **CD634**, Hong Kong Polytechnic University

(All presentations will be in **English**)

THE CENTRE FOR CHAOS CONTROL AND SYNCHRONIZATION 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.

10 January (Tuesday) (Venue: G6302 , CityU)	Chun Tung Chou, University of New South Wales, Australia <i>Multicast in multi-rate wireless mesh networks</i>
13 January (Friday) (Venue: B6605 , CityU)	Xiang Chen, University of Windsor, Canada <i>l_p-Equivalence of discretization of continuous controllers</i>
20 January (Friday) (Venue: CD634 , PolyU)	Jie Zhang, Hong Kong PolyU <i>Spatial and temporal correlation in approximately periodic time series</i>
27 January	Chinese New Year Break (Venue: B6605 , CityU)
3 February	Chinese New Year Break (Venue: CD634 , PolyU)
10 February (Friday) (Venue: B6605 , CityU)	Pei Yu, University of West Ontario, Canada <i>Bifurcation of limit cycles and Hilbert's 16th problem</i>
17 February (Friday) (Venue: CD634 , PolyU)	Rubin Wang, East China University of Science and Technology <i>Advances in neural information processing for large-scale neural populations</i>
24 February (Friday) (Venue: B6605 , CityU)	Cailian Chen, City University of Hong Kong <i>Delay-dependent robust control for nonlinear time delay systems: Analysis, synthesis and applications</i>
3 March (Friday) (Venue: CD634 , PolyU)	Maciej Ogorzalek, Poland <i>On fractal capacitors</i>
10 March (Friday) (Venue: B6605 , CityU)	Keith Q. Zhang, City University of Hong Kong <i>TBA</i>
17 March (Friday) (Venue: CD634 , PolyU)	Yi Zhao, Hong Kong PolyU <i>Detecting a deterministic gravitational wave signal from noisy sources</i>
24 March (Friday) (Venue: B6605 , CityU)	Yuehui Huang, Hong Kong PolyU <i>On the basins of attraction of paralleled converters</i>
31 March (Friday) (Venue: CD634 , PolyU)	Xi Chen, Hong Kong PolyU <i>Characteristic oscillation and intermittency in TCP-RED gateway</i>
7 April (Friday) (Venue: G6302 , CityU)	Tao Zhou, University of Science and Technology of China <i>An overview of dynamics in complex networks</i>
14 April	Public Holiday
21 April (Friday) (Venue: CD634 , PolyU)	K. W. Wong, CityU of Hong Kong <i>Public key cryptography with chaos</i>
28 April (Friday) (Venue: B6605 , CityU)	Junfeng Sun, Hong Kong PolyU <i>Chaotic dynamics and nonlinear analysis of vocalisation time series</i>
5 May	Public Holiday
12 May (Friday) (Venue: CD634 , PolyU)	Xin-Jian Xu, Lanzhou University, China <i>Epidemic spreading in complex networks</i>
19 May (Friday) (Venue: B6605 , CityU)	Ping Li, Fern University, Germany <i>Cryptography based on spatiotemporal chaos</i>