City University of Hong Kong
Centre for Chaos Control and Synchronization

香港城市大學
混沌控制與同步學術研究中心

THE HONG KONG
POLYTECHNIC UNIVERSITY
DEPT. OF ELECTRONIC & INFORMATION ENGINEERING

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

SEMINAR SERIES ON
CHAOS AND SYSTEMS CONTROL

Fridays, 24 September **–** 10 December 2004, **4:30 pm – 5:30 pm**
Room **B**6605 or G6302, City University of Hong Kong
Or Room **CD**634, 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.

24 Sept   Yuxia Li, City University of Hong Kong
From chaos to hyperchaos (Venue: CD634, **PolyU**)

08 Oct   Siew-Chong Tan, Hong Kong Polytechnic University
Practical issues of sliding-mode control applications in power converters (Venue: G6302, **CityU**)

15 Oct   Guofeng Zhang, University of Alberta, Canada
Networked control systems — a perspective from chaos (Venue: CD634, **PolyU**)

29 Oct   Maria Belen D'Amico, Universidad Nacional del Sur, Argentina
Analysis and control of discrete-time systems via a frequency-domain approach (Venue: B6605, **CityU**)

05 Nov   Yi Zhao, Hong Kong Polytechnic University
TBD (Venue: CD634, **PolyU**)

12 Nov   Yongxiang Xia, Hong Kong Polytechnic University
Multipath performance of chaos-based digital communication systems (Venue: B6605, **CityU**)

19 Nov   Wai-Man Tam, Hong Kong Polytechnic University
TBD (Venue: CD634, **PolyU**)

26 Nov   Guoyuan Qi, Tianjin University of Science and Technology
Adaptive high order differentials feedback control for nonlinear systems and applications in chaotic systems and inverted pendulum (Venue: B6605, **CityU**)

03 Dec   Guanrong Chen, City University of Hong Kong
Beyond the Lorenz system (Venue: B6605, **CityU**)

09 Dec   Yun Tang, Tsinghua University
Classification of homoclinic tangencies for periodically perturbed systems (Venue: B6605, CityU)

10 Dec   Maoan Han, Shanghai Jiaotong University
Some bifurcation methods of finding limit cycles (Venue: G6302, **CityU**)

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