



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



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

Jointly presents

SEMINAR SERIES

ON

CHAOS AND SYSTEMS CONTROL

Fridays, 25 January 2002 – 17 May 2002, 3:30 pm – 4:30 pm

Room B6605, City University of Hong Kong

Room CD634, Hong Kong Polytechnic University

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:

- 18 Jan 2002 Xinghuo Yu, Australia: Intelligent Decision Support for Industrial Applications (Venue: Room B6605, CityU).
- 25 Jan 2002 Cong Wang, CityU: Smart Neural Control of Uncertain Nonlinear Systems (Venue: Room B6605, CityU)
- 1 Feb 2002 K.L. Teo, PolyU: The Control Parametrization Enhancing Technique for Two Unconventional Constrained Optimal Control Problems (Venue: Room P4903, CityU)
- 8 Feb 2002 G. Ron Chen, CityU: Complex Dynamical Networks: An Overview (Venue: Room CD634, PolyU)
- 22 Feb 2002 Lam F. Yeung, CityU: Decentralized Control Scheme Suitable for Large Process Control Systems (Venue: Room P4903, CityU)
- 1 Mar 2002 Guoxiang Gu, USA: H_∞-Based Robust Adaptive Control (Venue: Room CD634, PolyU)
- 8 Mar 2002 C.K. Leung, PolyU: Digital Signatures and Electronic Transactions (Venue: Room B6605, CityU)
- 15 Mar 2002 Francis Lau, PolyU: Return-map-based Detection Techniques for Chaos Communications (Venue: Room CD634, PolyU)
- 22 Mar 2002 Peter Tam, PolyU: Chaotic Behavior of Digital Filters (Venue: Room B6605, CityU)
- 12 Apr 2002 Pak Chu, CityU: Optical Communication Based on Synchronized Chaos (Venue: Room B6605, CityU)
- 19 Apr 2002 Robin Sarah Bradbeer, CityU: Developments in Underwater Robotics Work at CityU (Venue: Room B6605, CityU)
- 26 Apr 2002 A.B. Rad, PolyU: Simultaneous Identification of Time Delay and Rational Dynamics – A Continuous-time Approach (Venue: Room B6605, CityU)
- 3 May 2002 P. Yu, UWO, Canada: A new method for constructing complex chaotic systems used in secure communication (Venue: Room CD634, PolyU)
- 10 May 2002 Daniel Ho, CityU: Wavelet Neural Networks for Nonlinear Systems Identification (Venue: Room B6605, CityU)
- 17 May 2002 Michael Small, PolyU: Minimum Description Length and Neural Networks (Venue: Room CD634, PolyU)
- 24 May 2002 Henry Chung, CityU: Use of Chaotic Switching in Electronic Ballasts (Venue: Room B6605, CityU)
- 31 May 2002 Yusheng Xue, Nanjing NARI: Trajectory Stability-preserving and Dimension-reducing Method for stability analysis of Nonlinear Systems (Venue: Room B6605, CityU)