



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, 19 September – 19 December 2003, **4:30 pm – 5:30 pm**
Room B6605, City University of Hong Kong
Or 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:

- 19 Sept 2003** Yufan Zheng (Australia): **A multi-model chaos-based method for secure communication**
(Venue: B6605, CityU)
- 26 Sept 2003** Xinzhi Liu (Canada): **Impulsive synchronization of chaotic delay systems and applications**
(Venue: CD634, PolyU)
- 3 Oct 2003** Daizhan Cheng (Chinese Academy of Sciences): **Control of switched systems** (Venue: B6605, CityU)
- 10 Oct 2003** Xiaohua Xia (South Africa): **Periodic orbits arising from delta-modulation feedback**
(Venue: CD634, PolyU)
- 17 Oct 2003** Geza Kolumban (Hungary): **A new model of chaotic waveform communications: the Fourier analyzer concept** (Venue: B6605, CityU)
- 24 Oct 2003** K. W. Wong (CityU): **Private-key cryptography based on chaos** (Venue: CD634, PolyU)
- 31 Oct 2003** Jinhu Lu (Chinese Academy of Sciences): **Generating complex multi-scroll chaotic attractors**
(Venue: B6605, CityU)
- 7 Nov 2003** Brian Anderson (Australia): **Two decades of adaptive control pitfalls** (Venue: B5208CityU)
- 14 Nov 2003** Bingo Ling (PolyU): **Nonlinear behaviors of digital filters** (Venue: B6605, CityU)
- 21 Nov 2003** Han-Xiong Li (CityU): **Spectral analysis based intelligent modeling for distributed processes**
(Venue: CD634, PolyU)
- 28 Nov 2003** Cong Wang (CityU): **Deterministic learning and neural learning control**
(Venue: B6605, CityU)
- 5 Dec 2003** Lam F. Yeung (CityU): **A new GA evolution algorithm based on experiment design**
(Venue: CD634, PolyU)
- 12 Dec 2003** Siew-Chong Tan (PolyU): **On practical design of sliding mode controlled dc/dc converters**
(Venue: B6605, CityU)
- 19 Dec 2003** Zhong Li (Germany): **On fuzzy logic and chaos theory** (Venue: CD634, PolyU)