



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

Jointly presents

SEMINAR SERIES
ON
CHAOS AND SYSTEMS CONTROL

Fridays, 9 Feb 2001 – 11 May 2001, 3:30 pm – 4:40 pm
Room G6302, City University of Hong Kong
Room CD634, Hong Kong Polytechnic University

Provisional Schedule

THE CENTRE FOR CHAOS CONTROL AND SYNCHRONIZATION has recently been established at City University of Hong Kong. Its mission is to promote fundamental research on the emerging and cutting-edge technology of chaos and its engineering applications. To foster exchange and discussion among local researchers in this field, the Centre, jointly with the Control Systems & Power Electronics Group at City University and the Department of Electronic and Information Engineering at Hong Kong Polytechnic University, organizes a series of seminars presenting tutorial overviews and original research work in the general area of chaos and bifurcations, nonlinear systems and control, and their engineering applications. A list of topics and schedule is as follows:

- 9 Feb 2001 G.R. Chen, CityU: *Chaos? What Does It Have to Do with Engineering?* (Venue: Room CD634, PolyU)
- 16 Feb 2001 M.A. Small, Heriot-Watt/PolyU: *Cardiac Chaos: Evidence of Period-Doubling Route and Chaos in Human ECG* (Venue: Room G6302, CityU)
- 23 Feb 2001 H. Chung and R. Hui, CityU: *Use of Chaotic Switching for EMI Suppression in Power Converters* (Venue: Room CD634, PolyU)
- 2 Mar 2001 M.C.K. Tse, PolyU: *Chaos Around Us* (Venue: Room P4701, CityU)
- 9 Mar 2001 K.F. Man, CityU: *Active Noise Control: A Flat Panel Approach* (Venue: Room CD634, PolyU)
- 16 Mar 2001 L.F. Yeung, CityU: *A Rainstorm Forecasting Algorithm Based on Wavelet Constructive Method for MIMO Systems* (Venue: G6302, CityU)
- 23 Mar 2001 D.J. Hill, CityU: *Global Control of Bifurcating Systems* (Venue: CD634, PolyU)
- 30 Mar 2001 F.C.M. Lau, PolyU: *Chaos-Based Communications: A Future Technology* (Venue: P4701, CityU)
- 6 Apr 2001 W.K.S. Tang, CityU: *Hierarchical Genetic Algorithm: Concepts and Designs* (Venue: CD634 PolyU)
- 20 Apr 2001 G. Kolumbán, Budapest Univ. Tech. & Econ.: *Nonlinear Dynamics and Chaotic Behaviour in Analog and Sampling Phase-locked Loops* (Venue: G6302, CityU)
- 27 Apr 2001 G. Kolumbán, Budapest Univ. Tech. & Econ.: *Chaotic Modulation: From BCSK to FM-DCSK* (Venue: CD634, PolyU)
- 4 May 2001 H.H.C. Iu, PolyU: *Some Aspects of Chaos in Power Electronics* (Venue: G6302 CityU)