



Jointly present

SEMINAR SERIES ON
CHAOS AND SYSTEMS CONTROL
Fridays, 16 September – 9 December 2005, 4:30 pm – 5:30 pm
Room **B6605**, 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.

16 Sept	Prof. Henry Chung, City University of Hong Kong <i>Boundary control with nonlinear switching surface for power electronics systems</i> (Venue: B6605, CityU)
23 Sept	Prof. Luis Martinez-Salamero, Universitat Rovira i Virgili, Spain <i>Energy processing by means of power gyrators</i> (Venue: CD634, PolyU)
30 Sept	Dr. Octavian Dranga, Hong Kong Polytechnic University <i>Stability of complete two-stage PFC power supplies</i> (Venue: B6605, CityU)
7 Oct	Mr Rongtao Xu, Hong Kong Polytechnic University <i>Analytical approach to the study of multiple-input multiple-output systems</i> (Venue: CD634, PolyU)
14 Oct	Prof. Tohru Ikeguchi, Saitama University, Japan <i>A complex network in Nikkei 225</i> (Venue: B6605, CityU)
21 Oct	Mr. Zhengping Fan, City University of Hong Kong <i>Synchronization of complex networks</i> (Venue: CD634, PolyU)
28 Oct	Miss Xia Zheng, Hong Kong Polytechnic University <i>Nonlinear dynamics of LDPC decoders</i> (Venue: B6605, CityU)
4 Nov	Prof. Sergej Celikovskiy, Academy of Sciences, Czech Republic <i>Classification of the Lorenz-like family of chaotic systems</i> (Venue: CD634, PolyU)
11 Nov	Mr. Francesco Sorrentino, University of Naples, Italy <i>Effects of topology on network synchronization</i> (Venue: B6605, CityU)
18 Nov	Dr. Zhong Li, Fern Universitaet, Hagen, Germany <i>Integration of fuzzy logic and chaos theory</i> (Venue: CD634, PolyU)
25 Nov	Dr. Wai-Man Tam, Hong Kong Polytechnic University <i>Cellular phone traffic with scale-free user network and power-law mobility distribution</i> (Venue: B6605, CityU)
2 Dec	Dr. Sergei Dudarev, UK Atomic Energy Authority, Oxfordshire, UK <i>The road to future power: Is there end in sight?</i> (Venue: CD634, PolyU)
5 Dec	Dr. Tetsushi Ueta, University of Tokushima, Japan <i>Partial delayed feedback control of chaotic systems</i> (Venue: B6605, CityU)
9 Dec	Dr. Wallace Tang, City University of Hong Kong <i>Multi-scroll attractors: realization, control and synchronization</i> (Venue: B6605, CityU)
16 Dec	Prof. Xinghuo Yu, RMIT, Australia <i>Discretization behaviors in sliding mode control systems</i> (Venue: B6605, CityU)