DAY 1: JULY 18TH, 2008

Time	Location	Event	Session Chair
8:00-8:30	Foyer 1st floor	**Registration**	
8:30-9:00	HS B	**Opening**	K. Kyamakya H. C. Mayr (Rector)
9:00-11:00	HS B	**Keynote: A Nonlinear Dynamics Perspective of Wolfram's New Kind of Science** *Prof. Leon O. Chua* *University of California, Berkeley, USA*	W. Halang
11:00-11:20	Foyer 1st floor	**Coffee break**	
11:20-12:00	HS B	**Keynote: From Emergent Crowd Behavior to Self-organized Traffic Light Control** *Prof. Dirk Helbing* *Swiss Federal Institute of Technology Zurich, Switzerland*	C. Bettstetter
12:00-12:30	HS B	**Poster Teaser 1**	K. Kyamakya
12:30-13:15	Foyer basement	**Lunch**	
13:15-14:00	Foyer 1st floor	**Poster Session 1: Applications of Nonlinear Dynamics and Synchronization (NDS)**	
		Performing Compression and Encryption Simultaneously using Chaotic Map *Kwok-Wo Wong, Ching-Hung Yuen* *City University of Hong Kong, Hong Kong*	
		Neural Networks for Approximating the Cost and Production Functions *Efthymios Tsionas, Panayotis Michaelides, Angelos Vouldis* *National Technical University of Athens, Greece*	
		Implementation of One Dimensional CNN array on FPGA, Based-on Verilog HDL *Alireza Fasih, Jean Chamberlain Chedjou, Kyandoghere Kyamakya* *University of Klagenfurt, Austria*	
		Clustering in VANETs *Sadaf Momeni, Mahmood Fathy* *Iran University of Science & Technology (IUST), Iran*	
		Performance Comparison of Band-limited Baseband Synchronous CDMA Using between Walsh-Hadamard Sequence and ICA Sequence *Ryo Takahashi, Ken Umeno* *Center for Intellectual Property Strategies, RIKEN, Japan*	
		Evaluation of Nonlinear System Behaviors in Military Supply Chain *Sreeram Kumar Bhagavatula, Jean Chamberlain Chedjou, Kyandoghere Kyamakya* *University of Klagenfurt, Austria*	
		A Periodical Time-Variable Effect in OFDM Systems with Aliasing and a Sampling Frequency Offset *Ilias Trachanas, Norbert Fliege* *University of Mannheim, Germany*	

		Anticipation and Delocalization in Cellular Models of Pedestrian Traffic *Alexander Makarenko, Dmitry Krushinsky, Boris Goldengorin* *University of Groningen, Netherlands*		
		A Stable Path Selection Algorithm for Protecting Optical Networks using OBGP Backup Routing *Wen-fong Wang, Lih-Chyau Wuu* *National Yunlin University of Science & Technology, Taiwan*		
		Component-based Face Detection in Colour Images *Jamal Dargham, Ali Chekima* *University Malaysia Sabah, Malaysia*		
14:00-14:40	HS B	**Keynote: Synchronization in Oscillatory Networks** *Prof. Juergen Kurths* *Potsdam University , Germany*		C. Bettstetter
14:40-15:20	HS B	**Invited Talk: Decisions and Chaos in a Complex Supply Chain** **H. Brian Hwarng** **National University of Singapore, Singapore**		C. Bettstetter
15:20-15:40	Foyer 1st floor	**Coffee break**		
15:40-17:20 20 minutes per talk + 5 minutes discussion		**Parallel Sessions P1 and P2**		
	P1: HS B P2: HS C	**P1: Nonlinear Dynamics in Supply Chains and Economy**	**P2: Applications of NDS in Technical Systems – 1**	P1: B. Hwarng P2: Z. Li
		Non-Linear Dynamics in a Small-Open-Economy Model in the Euro Area *Panayotis Michaelides, Angelos Vouldis* *National Technical University of Athens, Greece*	Self-Organizing Sync in a Robotic Swarm *Vito Trianni, Stefano Nolfi* *National Research Council – CNR, Italy*	
		Self-organized Optimization and Synchronization of Material Flow Networks with Decentralized Control *Reik Donner, Stefan Lämmer, Dirk Helbing* *Dresden University of Technology, Germany*	Adaptive Frequency Oscillators and Applications *Ludovic Righetti, Jonas Buchli, Auke Ijspeert* *Swiss Federal Institute of Technology, Switzerland*	
		Multiple-Model Seismic Structural Control *Svetla Radeva, Alexandar Ichtev* *University of Architecture Civil Engineering & Geodesy, Bulgaria*	Controlling EMI with A Chaotic Peak Current-mode Boost Converter *Zhong Li, H. Li, W.A. Halang, Juan Gonzalo Barajas Ramirez* *FernUniversität in Hagen, Germany*	
		Modelling of a Three-Echelon Supply Chain: Stability Analysis and Synchronization Issues *K.R. Anne, J.C. Chedjou, S.K. Bhagavatula, K. Kyamakya* *University of Klagenfurt, Austria*	Application of Asynchronous Channels Method to the W-CDMA Systems *Etsushi Nameda, Hideaki Terai, Ming-hui Kao, Ken Umeno* *ChaosWare Inc., Japan*	
17:20-18:00	Foyer 1st floor	**Cold Beer Session**		
19:30-22:30		**Social Event**		

DAY 2: JULY 19TH, 2008

Time	Location	Event	Session Chair
9:00-9:40	HS B	**Keynote: Towards a more Efficient Complex Problem Solving using Human-centric Type Computing Paradigms** *Prof. Janusz Kacprzyk* *Polish Academy of Sciences, Poland*	W. Halang
9:40-10:20	HS B	**Keynote: The Role of Computational Intelligence in Complex Decision Systems** *Prof. Da Ruan* *Belgian Nuclear Research Centre , Belgium*	W. Halang
10:20-11:40	Foyer 1st floor	**Coffee break**	
10:40-11:20	HS B	**Keynote: Oscillatory Circuits and Synchronization in RF Circuit Design** *Prof. Dr.-Ing. Wolfgang Mathis* *Leibniz University of Hannover, Germany*	K. Kyamakya
11:20-12:00	HS B	**Keynote: Using Mathematical Modeling to Understand and Treat Periodic Hematological Disease** *Prof. Michael C. Mackey* *McGill University, Montreal, Quebec, Canada*	K. Kyamakya
12:00-12:30	HS B	**Poster Teaser 2**	K. Kyamakya
12:30-13:15	Foyer basement	**Lunch**	
13:15-14:00	Foyer 1st floor	**Poster session 2: Theory of NDS**	
		Recursive Backstepping for Synchronization of Chaotic Systems *Ashraf Zaher* *Kuwait University, Science College, Kuwait*	
		Ultra Fast Object Counting Based on Cellular Neural Network *Alireza Fasih, Jean Chedjou, Kyandoghere Kyamakya* *University of Klagenfurt, Austria*	
		Detecting Dynamical Interdependence and Generalised Synchronisation using the Lorenz Method of Analogues *Erik Casagrande, David Lowe, Avgis Hadjipapas* *Aston University,United Kingdom*	
		Instability Driven by Dipole Resonances in Cold Atoms *Hugo Terças, José Tito Mendonça* *Instituto Superior Técnico, Portugal*	
		Ultrasonic Sensor Data Processing using Support Vector Machines *Dino Isa, Rajprasad Rajkumar* *University of Nottingham, Malaysia Campus, Malaysia*	
		System Identification using Symbolic Chaotic Sequence *Ajeesh Kurian, Henry Leung* *University of Calgary, Canada*	
		Models of Oscillatory Nonlinear Mappings *Wieslaw Sienko, Wieslaw Citko* *Maritime University, Poland*	
		Generation and Circuitry Implementation of N-double Scroll Delayed Chaotic Attractors *Lidan Wang, Shukai Duan,Xiaofan Yang* *Southwest University, P.R. China*	
		Cellular Neural Network Trainer and Template Optimization, based on Genetic Algorithm *Alireza Fasih, Jean Chedjou, Kyandoghere Kyamakya* *University of Klagenfurt, Austria*	
		Cumulant Analysis of Rössler Attractor *Luis A. Beltrán, V. Kontorovich, Z. Lovtchikova* *CINVESTAV IPN MX, Mexico*	

14:00-14:40	HS B	Keynote: **Modeling of Oscillations and Synchronization Phenomena in Large Scale Neuronal Networks** *Dr. Nikolai Rulkov* *University of California, San Diego, USA*		H. Unger
14:40-15:20	HS B	Keynote: **Self-organized Quasiperiodic Dynamics in Ensembles of Nonlinearly Coupled Oscillators** *Dr. Michael Rosenblum* *Potsdam University , Germany*		H. Unger
15:20-15:40	Foyer 1st floor	**Coffee break**		
15:40-17:20 20 minutes per talk + 5 minutes discussion		**Parallel Sessions P3 and P4**		
	P3: HS B P4: HS C	**P3: Theory of Synchronization**	**P4: Applications of NDS in Technical Systems – 2 (Computational Intelligence Issues)**	**P3: N. Rulkov** **P4: A. Bouchachia**
		A Linear Path Towards Self-Synchronization: Analysis of the Fully Locked Transition of the Kuramoto Model *David Roberts, Razvan Teodorescu* *Los Alamos National Laboratory, USA*	Ensemble Learning for Time Series Prediction *Abdelhamid Bouchachia, Saliha Bouchachia* *University of Klagenfurt, Austria*	
		Ragged Synchronizability and Clustering in a Network of Coupled Oscillators *Przemyslaw Perlikowski, Andrzej Stefanski* *Technical University of Lodz, Poland*	Feature Extraction for the Prognosis of Electromechanical Faults in Electrical Machines Through the DWT *Jose Antonino-Daviu, M. Riera-Guasp, M. Pineda-Sánchez, J. Pons-Llinares, R. Puche-Panadero* *Universidad Politecnica de Valencia, Spain*	
		Designing Couplings for Synchronization *Ioan Grosu, Servilia Oancea* *University of Medicine and Pharmacy "Gr.T.Popa", Romania*	Networks of Mixed Canonic-Dissipative Systems and Dynamic Hebbian Learning *Julio Rodriguez, Max-Olivier Hongler* *Ecole Polytechnique Federale de Lausanne, Switzerland*	
		Adaptive Synchronization of Lorenz System and Its Uses in Cryptanalysis *Ying Liu, Wallace Tang* *City University of Hong Kong, Hong Kong*	About a New Kind of Autonomous, Self-Adapting Agents and the Library Game Environment *Herwig Unger, Daniel Berg*	
17:20-17:30	HS B	**Closing Session: Feedback and diverse Announcements**		**K. Kyamakya**
17:30–18:30	Foyer 1st floor	**Cold Beer Session**		