PRELIMINARY PROGRAM   MON

Monday, June 2, 2014

09:00 am	Opening	,

Session 1 **Evolving Fuzzy Systems and Control A**

09:30 am	I. Škrjanc: Evolving fuzzy model identification for control and process monitoring
10:30 am	Coffee break

Session 2 **On-line Time Series Forecasting and System Modeling**

11:00 am	D. Petelin, J. Kocijan: Evolving Gaussian process models for predicting chaotic time-series	# 22
11:30 am	J.A. Iglesias, G. Gutiérrez, A. Ledezma, A. Sanchis: Time series forecasting using artificial neural networks vs. evolving models	# 30
12:00 am	R. Rosa, F. Gomide, D. Dovžan, I. Škrjanc: Evolving neural network with extreme learning for system modeling	# 11
12:30 pm	Lunch	

Session 3 **Evolving Fuzzy Systems and Control B**

02:30 pm	A. Kalhor: A self tuning regulator for nonlinear time varying control systems based on evolving linear models	# 09
03:00 pm	A. Zdešar, D. Dovžan, I. Škrjanc: A 2 DOF predictive control based on evolving fuzzy model	# 32
03:30 pm	D. Dovžan, S. Blažič, I. Škrjanc: Towards evolving fuzzy reference controller	# 20
04:00 pm	Coffee break	

Session 4 **Evolving Intelligent Systems and Applications A**

04:30 pm	J.d.J. Rubio, L.A. Soriano, W. Yu, J. Pacheco: Wind turbine modeling with an analytic algorithm	# 34
05:00 pm	J.d.J. Rubio, L.A. Soriano, W. Yu, J. Pacheco: Wind turbine modeling with the slopes algorithm	# 35
05:30 pm	I. Škrjanc, S. Blažič, P. Angelov: Robust evolving cloud-based PID control adjusted by gradient learning method	# 27

PRELIMINARY PROGRAM   TUE

Tuesday, June 3, 2014

Session 5	**Active Learning and Human-Interaction**

09:00 am	R. Polikar: Semi-supervised and active learning in initially labeled nonstationary and evolving environments	
10:00 am	D. Wachholder, C. Stary: Context-sensitive modeling of input source configuration for evolving intelligent systems	# 12
10:30 am	Coffee break	

Session 6	**Evolving Classifiers**

11:00 am	P. Angelov, D. Kangin, X. Zhou, D. Kolev: Symbol recognition with a new autonomously evolving classifier AutoClass	# 29
11:30 am	M. Bouillon, E. Anquetil: Man-machine cooperation for the on-line training of an evolving classifier	# 24
12:00 am	D. Griol, J.A. Iglesias, A. Ledezma, A. Sanchis: A dialog management methodology based on evolving fuzzy-rule-based (FRB) classifiers	# 26
12:30 pm	Lunch	

Session 7	**Learning in Non-Stationary Environments**

02:30 pm	I. Khamassi, M. Sayed-Mouchaweh: Drift detection and monitoring in non-stationary environments	# 03
03:00 pm	T. Eze, R. Anthony: Dead-zone logic in autonomic systems	# 04
03:30 pm	A. Buschermöhle, W. Brockmann: Reliable localized on-line learning in non-stationary environments	# 21
04:00 pm	Coffee break	

Session 8	**Evolving Intelligent Systems and Applications B**

04:30 pm	N. Pawar, M. Belur, M. Bhushan, A.P. Tiwari, M.G. Kelkar, M. Pramanik, V. Singh: A data-driven adaptive model-identification based large-scale sensor management system: application to Self Powered Neutron Detectors	# 14
05:00 pm	N. Chawla: Online information monitoring for utilizing hotel occupancy rate analysis	# 25
05:30 pm	N.H. Abd Rahim, T.P. Martin: Support-based distance measurement between lattices	# 13
07:30 pm	Conference Dinner	

PRELIMINARY PROGRAM   WED

Wednesday, June 4, 2014

Session 9   **On-line Fuzzy Control and Fault Detection**

09:00 am   M. Sheraz, M.A. Abido: An efficient approach for parameter estimation   # 07
of PV model using DE and fuzzy based MPPT controller

09:30 am   S. Elmetennani, T.M. Laleg-Kirati: New fuzzy approximate model   # 36
for indirect adaptive control of distributed solar collectors

10:00 am   T. Nakamura, A. Lemos: A batch-incremental process fault detection   # 18
and diagnosis using mixtures of probabilistic PCA

10:30 am   Coffee break

Session 10   **Evolving Clustering and Modeling**

11:00 am   R.D. Baruah, P. Angelov, D. Baruah: Dynamically evolving clustering for data streams   # 19

11:30 am   I. Škrjanc, D. Dovžan, F. Gomide: # 28
Evolving fuzzy-model-based on c-regression clustering

12:00 am   S.S. Abadeh, A. Kalhor: Evolving Takagi-Sugeno model based on online   # 10
Gustafson-Kessel algorithm and kernel recursive least square method

12:30 pm   Lunch

Session 11   **Evolutionary Algorithms and Applications**

02:30 pm   R.-E. Precup, M.-C. Sabau, C.-A. Dragos, M.-B. Radac, L.-O. Fedorovici, E.M. Petriu: # 05
Particle swarm optimization of fuzzy models for anti-lock braking systems

03:00 pm   E. Osaba, R. Carballedo, F. Diaz, E. Onieva, P. Lopez, A. Perallos: # 08
On the influence of using initialization functions on genetic algorithms
solving combinatorial optimization problems: a first study on the TSP

03:30 pm   E. Ivannikova, T. Hämäläinen, K. Luostarinen: # 02
Variable group selection based on regression trees: paper machine case study

04:00 pm   Closing