### Preliminary Program of Special Sessions on Extreme Learning Machines (ELMs)

(updated on April 18, 2016, please refer to [www.wcci2016.org](http://www.wcci2016.org) for final program)

<table>
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<td>8:00AM</td>
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2:30PM 16524 Direct Heuristic Dynamic Programming Design with Extreme Learning Machine
Xiong Luo, Yixuan Lv, Weiping Wang, Mi Zhou and Wenbing Zhao

2:50PM 16654 Enhancing Deep Extreme Learning Machines by Error Backpropagation
Migel Tissera and Mark McDonnell

3:10PM 16664 Least Mean p-Power Extreme Learning Machine for Obstacle Avoidance of a Mobile Robot
Jing Yang, Pengpeng Chen, Hai-Jun Rong and Badong Chen

3:30PM 16714 Prediction of Photoplethysmogram Signals Using Sequential ELM
Amita Mahuli, Niranjana Krupa and Koshy George

3:50PM 16764 Stacked Tensor Subspace Learning for Hyperspectral Image Classification
Wei Yantao and Zhou Yicong

4:10PM 16769 Anomaly Detection in Aviation Data using Extreme Learning Machines
Vijay Manikandan Janakiraman and David Nielsen

5 Tbr3 [Special \/] Extreme Learning Machines III Guang-Bin Huang [Tuesday, \/] [Room \/]

16126, 16815, 16447, 16538, 16863, 16924

4:30PM 16125 Learning Boltzmann Machine with EM-like Method
Jinmeng Song and Chun Yuan

4:50PM 16815 On the importance of pair-wise feature correlations for image classification
Mark McDonnell, Robby McKilliam and Philip de Chazal

5:10PM 16534 Smile Detection Using Pair-wise Distance Vector and Extreme Learning Machine
Dongshun Cui, GuangBin Huang and Tianchi Liu

5:30PM 16533 Two-Stage Structured Learning Approach for Stable Occupancy Detection
Tianchi Liu, Yue Li, Zuo Bai, Jaydeep De, Cao Vinh Le, Zhiping Lin, Shih-Hsiang Lin, Guang-Bin Huang and Dongshun Cui
5:50PM  Multivariate Electricity Consumption Prediction with Extreme Learning Machine

Hui Song, A. K. Qin and Flora D. Salim

6:10PM  ELM Meets RAE-ELM: A Hybrid Intelligent Model for Multiple Fault Diagnosis and Remaining Useful Life Prediction of Rotating Machinery

Zhi-Xin Yang and Peng-Bo Zhang

8:00AM  A Pruning Algorithm for Extreme Learning Machine based on Sparse Coding

Yuanlong Yu and Zhenzhen Sun

8:20AM  Stochastic Resonance induced Continuous Activation Functions in a Neural Network consisting of Threshold Elements

Shuhei Ikemoto, Fabio DallaLibera and Koh Hosoda

8:40AM  A Coarse-to-Fine Feature Selection Method for Accurate Detection of Cerebral Small Vessel Disease

Yiqiang Chen, Meiyu Huang, Chunyu Hu, Yicheng Zhu, Fei Han and Chunyan Miao

9:00AM  Combined Nonlinear Visualization and Classification: ELMVIS++C

Andrey Gritsenko, Anton Akusok, Yoan Miche, Kaj-Mikael Bjork, Stephen Baek and Amaury Lendasse

9:40AM  Word Based Dialect Classification using Extreme Learning Machines

Muhammad Rizwan, Babafemi Odelowo and David Anderson

9:40AM  Video Anomaly Detection based on ULGP-OF Descriptor and One-class ELM

Siqi Wang, En Zhu and Jianping Yin
An Ensemble of Extreme Learning Machine for Prediction of Wind Force and Moment Coefficients in Marine Vessels

Krishna Kumar Nagalingam, Savitha Ramasamy and Abdullah Al Mamun

One-class Extreme Learning Machines for Gas Turbine Combustor Anomaly Detection

Weizhong Yan

Extreme Learning Machines for Approximating Nonlinear Dimensionality Reduction Mappings: Application to Haptic Handwritten Signatures.

Julio J. Valdes, Fawaz A. Alsulaiman and Abdulmotaleb El Saddik

Online Neuro-Identification of Nonlinear Systems using Extreme Learning Machine

Emerson Grzeidak, Jose A.R. Vargas and Sadek C.A. Alfaro

Clinical Narrative Classification using Discriminant Word Embeddings with ELM

Paula Lauren, Guangzhi Qu, Feng Zhang and Amaury Lendasse

Modular Expansion of the Hidden Layer in Single Layer Feedforward Neural Networks

Migel Tissera and Mark McDonnell