Poster Session 2

Poster2-1 : Applications
Room International Conference Hall II

Inferring Users' Gender from Interests: A Tag Embedding Approach
Peisong Zhu[1], Tieyun Qian[1], Ming Zhong[1], Xuhui Li[1]
[1]Wuhan University

Fast color quantization via fuzzy clustering
Laszlo Szilagyi[1,2], Gellert Denesi[1], Calin Enachescu[3]
[1]Sapientia University of Transylvania, Tirgu Mures, Romania
[2]Budapest University of Technology and Economics, Hungary [3]Petru
Maior University of Tirgu Mures, Romania

Extended Dependency-Based Word Embeddings for Aspect Extraction
Xin Wang[1], Yuanchao Liu[1], Chengjie Sun[1], Ming Liu[1], Xiaolong Wang[1]
[1]Harbin Institute of Technology

Topological Order Discovery via Deep Knowledge Tracing
Jiani Zhang[1], Irwin King[1]
[1]the Chinese University of Hong Kong

PTR: Phrase-Based Topical Ranking for Automatic Keyphrase Extraction in Scientific Publications
Minmei Wang[1], Bo Zhao[1], Yihua Huang[1]
[1]The National Key Laboratory for Novel Software Technology, Department of Computer Science and Technology, Nanjing University, China

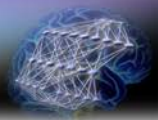Neural Network Based Association Rule Mining from Uncertain Data
Sameen Mansha[1], Zaheer Babar[1], Faisal Kamiran[1], Asim Karim[2]
[1]Information technology University, Punjab, Lahore, Pakistan [2]Lahore
University of Management Sciences, Pakistan

Analysis and knowledge discovery by means of Self-Organising Maps for Gaia data releases
M. Álvarez[1], Carlos Dafonte[1], Daniel Garabato[1], Minia Manteiga[1]
[1]University of A Coruna

Poster2-2 : Computational & Cognitive Neurosciences
Room International Conference Hall II

Computational Model of the Cerebellum and the Basal Ganglia for Interval Timing Learning
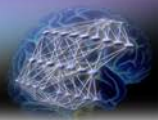Ohki Katakura[1], Tadashi Yamazaki[1]
[1]The University of Electro-Communications.

Bihemispheric cerebellar spiking network model to simulate acute VOR motor learning
Keiichiro Inagaki[1], Yutaka Hirata[1]
[1]Chubu University

Poster2-3 : Theory & Algorithms
Room International Conference Hall II

An Iterative Incremental Learning Algorithm for Complex-Valued Hopfield Associative Memory
Naoki Masuyama[1], Chu Kiong Loo[1]
[1]University of Malaya

LDA-Based Word Image Representation for Keyword Spotting on Historical Mongolian Documents
Hongxi Wei[1], Guanglai Gao[1], Xiangdong Su[1]
[1]Inner Mongolia University

Solving the Vanishing Information Problem with Repeated Potential Mutual Information Maximization
Ryotaro Kamimura[1]
[1]Tokai University

Self-Organization on a Sphere with Application to Topological Ordering of Chinese Characters
Andrew Paplinski[1]
[1]Monash University

A Spectrum Allocation Algorithm Based on Optimization and Protection in Cognitive Radio Networks
Jing Gao[1], Jianyu Lv[1], Song Xin[1]
[1]Northeastern University

A Conjugate Gradient-based Efficient Algorithm for Training Single Hidden Layer Neural Networks
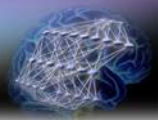Xiaoling Gong[1], Jian Wang[1]
[1]China University of Petroleum

The Ability of Learning Algorithms for Fuzzy Inference Systems using Vector Quantization
Hirofumi Miyajima[1], Noritaka Shigei[2], Hiromi Miyajima[2]
[1]Nagasaki University [2]Kagoshima University

An improved multi-strategy ensemble artificial bee colony algorithm with neighborhood search

Xinyu Zhou[1], Mingwen Wang[1], Jianyi Wan[1], Jiali Zuo[1]
[1]Jiangxi Normal University

Gender-Specific Classifiers in Phoneme Recognition and Academic Emotion Detection

Judith Azcarraga[1], Arnulfo Azcarraga[1], Arces Talavera[1]
[1]De La Salle University

Local Invariance Representation Learning Algorithm With Multi-Layer Extreme Learning Machine

Xibin Jia[1], Xiaobo Li[1], Hua Du[1], Bir Bhanu[2]
[1]Beijing University of Technology [2]University of California Riverside

Two-dimensional Soft Linear Discriminant Projection for Robust Image Feature Extraction and Recognition

Yu Tang[1], Zhao Zhang[1], Yan Zhang[1]
[1]Soochow University

Asymmetric Synaptic Connections in Z(2) Gauge Neural Network

Atsutomo Murai[1], Tetsuo Matsui[1]
[1]Kindai University

SOMphony: Visualizing Symphonies using Self Organizing Maps

Arnulfo Azcarraga[1], Fritz Kevin Flores[1]
[1]De La Salle University

Online EM for the Normalized Gaussian Network with Weight-Time-Dependent Updates

Jana Backhus[1], Ichigaku Takigawa[1], Hideyuki Imai[1], Mineichi Kudo[1], Masanori Sugimoto[1]
[1]Hokkaido University

Learning Phrase Representations Based on Word and Character Embeddings
Jiangping Huang[1], Donghong Ji[1], Shuxin Yao[2], Wenzhi Huang[1], Bo Chen[1]
[1]Wuhan University [2]Carnegie Mellon University

A Mobile-Based Obstacle Detection Method: Application to the Assistance of Visually Impaired People
Manal Alshehri[1], Salma Kammoun Jarraya[2], Hanene Ben-Abdallah[2]
[1]Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia [2]Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia, MIRACL Laboratory

t-SNE based Visualisation and Clustering of Geological Domain
Mehala Balamurali[1], Arman Melkumyan[1]
[1]University of Sydney

Data-based Optimal Tracking Control of Nonaffine Nonlinear Discrete-time Systems
Biao Luo[1], Derong Liu[2], Tingwen Huang[3], Chao Li[1]
[1]Institute of Automation, Chinese Academy of Sciences [2]University of Science and Technology Beijing [3]Texas A&M University at Qatar

Parallel Learning for Combined Knowledge Acquisition Model
Kohei Henmi[1], Motonobu Hattori[1]
[1]University of Yamanashi

Time series classification based on multi-codebook important time subsequence approximation algorithm
Zhiwei Tao[1], Li Zhang[1], Bangjun Wang[1], Fanzhang Li[1]
[1]Soochow University

Performance Improvement via Bagging in Ensemble Prediction of Chaotic Time Series Using Similarity of Attractors and LOOCV Predictable Horizon
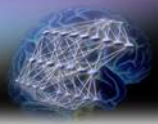Mitsuki Toidani[1], Kazuya Matsuo[1], Shuichi Kurogi[1]
[1]Kyushu Institute of Technology

A review of EEG Signal Simulation methods
Ibrahima Faye[1], Muhammad Izhan Noorzi[1]
[1]Universiti Teknologi PETRONAS

A New Blind Image Quality Assessment Based on Pairwise

Jianbin Jiang[1], Yue Zhou[1], Liming He[1]

[1]Institude of Image Processing and Pattern Recognition, Shanghai Jiao Tong University

Self-organizing maps as feature detectors for supervised neural network pattern recognition

Macario II Cordel[1], Arren Matthew Antioquia[1], Arnulfo Azcarraga[1]

[1]De La Salle University

A Review of Electroencephalogram-based Analysis and Classification Frameworks for Dyslexia

Harshani Perera[1], Mohd Fairuz Shiratuddin[1], Kok Wai Wong[1]

[1]Murdoch University

Rule-Based Grass Biomass Classification for Roadside Fire Risk Assessment

Ligang Zhang[1], Brijesh Verma[1]

[1]Central Queensland University

Efficient Recognition of Attentional Bias using EEG data and the Neu-Cube Evolving Spatio-Temporal Data Machine

Zohreh Gholami Doborjeh[1], Maryam Gholami Doborjeh[1], Nikola Kasabov[1]

[1]Auckland University of Technology