**Final List of Accepted Papers for IEEE PICom 2018**

Full/Regular Papers

Methodology for monitoring In-Process Cutting Tool Wear Based on Image Analysis - Marcio Corazzim; Paulo Aguiar; Romulo Lins

Evaluation of Self-Rehabilitation Movements by Hidden Markov Model - Yves Rybarczyk

Distributed Protocol of Horizontal Cloud Federation Based on Inter-Cloud Architecture -Messaouda Ayachi; Hassina Nacer; Hachem Slimani

Time-Incremental Convolutional Neural Network for Arrhythmia Detection in Varied-length Electrocardiogram - Qihang Yao; Xiaomao Fan; Yunpeng Cai; Ruxing Wang; Liyan Yin; Ye Li

Trust management for a Context-aware Authentication System - Malika Yaici; Anis Oussayah; Mohamed Takerrabet

Cooperative Caching Plan of Popular Videos for Mobile Users by Grouping Preferences - Yi-Ting Chen; Chia-Cheng Yen; Yu-Tai Lin; Jia-Shung Wang

DRAW: Data Replication for Enhanced Data Availability in IoT-based Sensor Systems - Waleed Bin Qaim; Oznur Ozkasap

Multilevel Observability in Cloud Orchestration - Rodolfo Picoreti; Alexandre do Carmo; Felippe Queiroz; Anilton Salles Garcia; Raquel F Vassallo; Dimitra Simeonidou

Wale: a Dockerfile-based approach to deduplicate shared libraries in Docker containers - Federico Fausto Santoro; Corrado Santoro; Fabrizio Messina; Fabio D'Urso

An Intelligent Portable Border Control System: Overall System Design with Computational Intelligence Technologies for Border Control Procedures Enhancement - George Boultadakis

Signal2vec: Representation of Time Series in Vector Space - Chrstoforos Nalmpantis; Dimitris Vrakas

C-SAK: Chinese Scanning Ambiguous Keyboard for Parkinson's Disease Patients - Farzana Jabeen; Linmi Tao; Xinyue Wang; Shanshan Mei

Cost Efficient Edge Intelligence Framework Using Docker Containers - Mabrook AL-Rakhami; Mohammed Alsahli; Mohammad Mehedi Hassan; Atif Alamri; Antonio Guerrieri; Giancarlo Fortino

Pervasive 3D Reconstruction to Identify Hidden 3D Survival Spaces for Search and Rescue Management - Panagiotis Mysiris; Nikolaos D. Doulamis; Anastasios D Doulamis; Vasilis Sourlas; Angelos Amditis

Density based multisensor data fusion for multiapplication wireless sensor networks - Claudio M. Farias; Luci Pirmez; Flávia Coimbra Delicato

A Dual Sampling Cooperative Communication Method for Energy and Delay Reduction -Fenyu Jiang; Yan Sun; Chris Phillips

FTSGD: An Adaptive Stochastic Gradient Descent Algorithm for Spark MLlib - Hong Zhang; Zixia Liu; Hai Huang; Liqiang Wang

A Pilot Study Mapping Citizens' Interaction with Urban Nature - Enrico Ferrara; Antonio Liotta; Laura Erhan; Maryleen Ndubuaku; Daniel D Giusto; Miles Richardson; David Sheffield; Kirsten McEwan

Effective Routing algorithm based on Software defined networking for big data applications in Data centre network - Ali Khaleel; Hamed Saffa Al-Raweshidy

Edge-based Energy Management for Smart Homes - Chunqiu Xia; Wei Li; Xiaomin Chang; Flávia Coimbra Delicato; Ting Yang; Albert Zomaya

Work in Progress Papers

An Improved Fuzzy Logic Based Recommender System by Integrating Social Tags and Social Networks' Information - Asgarali Bouyer

Incentive Allocation to Sequential Decision-Making Sensors in Mobile Crowdsensing - Iordanis Koutsopoulos

SDM-based Means of Gradient for Eye Center Localization - Hui Yu; Yifan Xia; Jianwen Lou; Junyu Dong; Gongfa Li

A Data Fusion Method Based on Clustered Index in Crowd Sensing - Shukui Zhang

Dance Posture/Steps Classification using 3D Joints from the Kinect Sensors - Nikos Bakalos; Eftychios Protopapadakis; Anastasios D Doulamis; Nikolaos D. Doulamis

Safe Cycle: Infrastructural Control for Bikers - Massimo Marchiori

State-of-the-art Data Replication Techniques in IoT-based Sensor Systems - Waleed Bin Qaim; Oznur Ozkasap

Poster Papers

Joint Power Control and Channel Assignment for Green Device-to-Device Communication -Chih-Shun Hsu; Wei-Chen Chen

Decision Boundary Formation of Deep Convolution Networks with ReLU - Chulhee Lee; Woo Seongyoun

Single Image Super-Resolution Using Frequency-Dependent Convolutional Neural Networks - Chulhee Lee