Final Program of the MCCSIS 2019

Multi Conference on Computer Science and Information Systems

Conference Sessions:

Big Data Analytics, Data Mining and Computational Intelligence 2019 Theory and Practice in Modern Computing 2019

Tuesday, 16th July 2019

08:00-19:00 Welcome Desk

09:45-10:00 Session O - Opening Session

(Room: Auditório Vitor Santos)

Prof. Ajith P. Abraham

10:00-11:00 Session KL1 - Keynote Presentation

(Room: Auditório Vitor Santos)

"INCLUSIVE INTERFACES"

By Prof. Paula Escudeiro, Institute of Engineering of Porto, Polytechnic Institute of Porto, Portugal

11:00-11:30 Coffee Break

11:30-13:00 Session FPD 16.1

Computational Intelligent Frameworks

(Room: Sala de Reuniões) Chair: Krzysztof Dzieciolowski

NOVEL LEARNING STRATEGY BASED ON GENETIC PROGRAMMING FOR CREDIT CARD FRAUD DETECTION IN BIG DATA (F070)

Ibtissam Benchaji, Samira Douzi and Bouabid El Ouahidi

TRANSFORMATION OF SYSTEMS OF INTERACTIVE SIMULATION OF CONFLICT SITUATIONS INTO SYSTEMS BASED ON DECISION PATTERNS (F142)

Andrzej Najgebauer

RECOMMENDER SYSTEM USING UNSUPERVISED MACHINE LEARNING FOR SATISFACTION SURVEYS (D029)

Baba Mbaye

13:00-14:30 Lunch Break

14:30-15:30 Session KL2 – Keynote Presentation

(Room: Auditório Vitor Santos)

CHECKMATE THE ENEMY: ADVERSARIAL REASONING FOR DEFENSE SYSTEMS

By Dr. Boris Stilman, University of Colorado Denver, USA & STILMAN Advanced Strategies, USA

15:30-16:30 Session FP 16.2

Theory and Practice in Modern Computing

(Room: Auditório Vitor Santos)

Chair: Ajith P. Abraham

EXPERIMENTAL ANALYSIS OF MPTCP CONGESTION CONTROL ALGORITHMS; LIA, OLIA AND BALIA (F049)

Toshihiko Kato, Adhikari Diwakar, Ryo Yamamoto, Satoshi Ohzahata and Nobuo Suzuki

IMPROVING EFFICIENCY OF A WEB-BASED DISTRIBUTED EVOLUTIONARY COMPUTING SYSTEM (F050)

Jerzy Duda and Wojciech Dłubacz

16:30-17:00 Coffee Break

17:00-18:00 Poster Session

(Foyer)

Chair: Ajith P. Abraham

SENTIMENT SCORES OF SENTIMENT KEYWORDS: ANALYSIS OF HOTEL REVIEW DATA (P021)

Ye-Seul Jeon, Eun-Young Jang and Hwan-Seok Jang

DATA MINING FOR ENERGY MANAGEMENT IN A WATER DISTRIBUTION NETWORK (P117)

Hohyun Lee, Dae Wook Kim, Sung Taek Hong and Gang Wook Shin

EXPLAINING BLACK-BOX MACHINE LEARNING MODELS (P104)

Krzysztof Dzieciolowski

STUDY ON DATA CLEANSING ALGORITHMS FOR OUTLIERS IN WATER SUPPLY SYSTEM (P118)

Jong Rib Kim, Gang Wook Shin, Sung Taek Hong and Dae Wook Kim

A NOISE-TOLERANT EVOLUTIONARY ALGORITHM BASED ON ACCUMULATIVE SAMPLING (P097)

Jeongmin Kim, Steven Kurniawan, and Kwang Ryel Ryu

19:00-Welcome Cocktail

Wednesday, 17th July 2019

08:00-15:45 Welcome Desk

09:00-11:00 Session FP 17.1

Theory and Practice in Modern Computing

(Room: Sala de Reuniões) Chair: Jerzy Duda

METHOD OF CHEMICAL FORMULAS COMPARISON (F041)

Nataliya A. Vayngolts, Dmitriy M. Korobkin, Sergey A. Fomenkov, Sergey G. Kolesnikov and Alla G. Kravets

AN EXAMINATION OF STUDENT LEARNING OF SCIENCE CONCEPTS USING INTERACTIVE INSTRUCTIONAL MULTIMEDIA TECHNOLOGY (F025)

Maria Georgiou

EXTRACTION OF STRUCTURAL ELEMENTS OF INVENTIONS FROM RUSSIAN-LANGUAGE PATENTS (F048)

Dmitriy M. Korobkin, Sergey S. Vasiliev, Sergey A. Fomenkov and Vladimir I. Lobeyko

A CLUSTERING-BASED JUDGMENT METHOD OF FALSE POSITIVE ALERTS (F028)

Shinya Iwasaki, Tomo Kakuta, Yoshihiro Sekiguchi, Yukihiro Konishi, Tomoya Ohtori and Norihisa Komoda

09:00-11:00 Tutorial

(Room: Sala Aula C218)

DISCOVERIES ON DEMAND: DISCOVERING THE ALGORITHM OF DISCOVERY

Dr. Boris Stilman, University of Colorado Denver, USA & STILMAN Advanced Strategies, USA

11:00-11:30 Coffee Break

11:30-13:00 Session FP 17.2

Big Data Algorithms and Architectures

(Room: Sala de Reuniões) Chair: Daqing Chen

REVIEWING DATA ACCESS PATTERNS AND COMPUTATIONAL REDUNDANCY FOR MACHINE LEARNING ALGORITHMS (F037)

Imen Chakroun, Tom Vander Aa and Tom Ashby

AN ETL PATTERN FOR LOG CONFIGURATION AND ANALYSIS (F050)

Bruno Oliveira, Óscar Oliveira, Telmo Matos, Vasco Santos and Orlando Belo

DRIVING MODEL OF BIG DATA GOVERNANCE IN URBAN COMMUNITY SAFETY SERVICE (F091)

Zhao-Ge Liu and Xiang-Yang Li

13:00 - 14:30 Lunch Break

14:30-15:20 Session FP 17.3 Data Mining Applications (Room: Sala de Reuniões) Chair: Jens Kiefer

TOWARDS AUTOMATED COST ANALYSIS, BENCHMARKING AND ESTIMATING IN CONSTRUCTION:

A MACHINE LEARNING APPROACH (F137)

Daqing Chen, Laureta Hajderanj and James Fiske

TEXT MINING APPLICATIONS TO FACILITATE ECONOMIC AND FOOD SAFETY LAW ENFORCEMENT (\$139)

Gustavo Magalhães, Brigida Monica Faria, Luis Paulo Reis and Henrique Lopes Cardoso

15:45 - Conference Tour and Dinner

Thursday, 18th July 2019

08:15-13:00 Welcome Desk

09:10-11:00 Session FSP 18.1 Big Data Applications // Others (Room: Sala de Reuniões) Chair: Tom Vander Aa

USAGE OF PROCESS MINING IN THE 'OFFER TO PRODUCTION PROCESS' OF A CONTRACT MANUFACTURER FOR CAST COMPONENTS (F068)

Jens Kiefer and Melina Precht

COMPLIANCE STUDY OF HAZARD ANALYSIS AND CRITICAL CONTROL POINT SYSTEM (F138)

Tatiana Sousa Pinto, Brigida Monica Faria, Luis Paulo Reis, Henrique Lopes Cardoso and Tiago Santos

A BIG REMOTE SENSING DATA ANALYSIS USING DEEP LEARNING FRAMEWORK (F135)

Hanen Balti, Imen Chebbi, Nedra Mellouli, Imed Riadh Farah and Myriam Lamolle

REDDIT SENTIMENT ANALYSIS TO IMPROVE ELECTION PREDICTIONS (S032)

Bryant Hwang

11:00-11:30 Coffee Break

11:30-12:40 Session FSP 18.2

Virtual Reality // Software Engineering

(Room: Sala de Reuniões)
Chair: Alcínia Zita Sampaio

VIEW: A CONCEPT FOR AN IMMERSIVE VIRTUAL REALITY IMAGE INTERPRETATION WORKBENCH (F032)

Alexander Streicher, Julien Hoffmann and Wolfgang Roller

BIM CAPACITIES IMPROVED WITH VR TECHNOLOGY IN THE BUILDING PROJECT (S016)

Alcínia Zita Sampaio

AN OVERVIEW AND EVALUATION OF BLACK-BOX TESTING METHODS FOR SYSTEM TESTING (S029)

Anastasija Špakova and Marina Uhanova

12:40 Best Paper Awards Ceremony and Closing Session

(Room: Sala de Reuniões)

Prof. Ajith P. Abraham