

Conference Program



**Prague, Czech Republic
May 19-21, 2018**

Saturday 19th May 2018

Conference Room: A

Time: 09:00-09:30

Plenary Lecture:



Some Applications of Fuzzy Logic in Extracting Information from a Set of Data

by Prof. Amaury A. Caballero, Dept. of Electrical and Computer Engineering, Florida International University, Miami, Florida, USA.

Conference Room: A

Time: 09:30-10:00

Plenary Lecture:



Fuzzy Approach in the Problem of Multi-Objective Emergency Service Location/Transportation for Disaster Region

by Prof. Gia Sirbiladze, Dept. of Computer Science, Faculty of Exact and Natural Sciences, Iv. Javakhishvili Tbilisi State University, GEORGIA.

10:00-10:30: Coffee Break

Saturday 19th May 2018

Conference Room: A

Time: 10:30-12:30

Title: Control Systems and Neural Networks

Chair: Alexandru Nicolae Tudosie, Petr Skobelev

A High-Precision Discrete Tracking Differentiator and its Application in Processing PMU Data	Hehong Zhang, Gaoxi Xiao, Yunde Xie, Chao Zhai, Xiaozhou Yang, Luo Yang, Hanxiang Zhao, Tso-Chien Pan
Application of Discrete Wavelet Transform and Back-Propagation Neural Network for Internal and External Fault Classification in Transformer	Atthapol Ngaopitakkul, Chaiyan Jettanasen, Chaichan Pothisarn, Suntiti Yoomak, Dimas Anton Asfani, Yulistya Negara, Panapong Songsukthawan
Control Law for the Air Inlet of a High Supersonic Velocity Aerial Vehicle	Alexandru Nicolae Tudosie
Ontology-Driven Multi-Agent Engine for Real Time Adaptive Scheduling	George Rzevski, Oleg Lakhin, Petr Skobelev, Igor Mayorov, Alexey Zhilyaev, Elena Simonova
Experimental Comparative Study of FeedBack Linearized Controller and Proportional Integral (PI) Controller of the DC Bus Voltage of Three Phase Shunt Active Power Filter	Ismail Ghadbane, Mohamed Toufik Benchouia
Performance of Conventional and LR Based Passive Radar Detectors in Ground Traffic Applications	N. del-Rey-Maestre, M. P. Jarabo-Amores, D. Mata-Moya, J. Rosado-Sanz, C. Benito-Ortiz
Ground Penetrating Radar Image Processing towards Underground Utilities Detection for Robotic Applications	Evangelos Skartados, Ioannis Kostavelis, Dimitrios Giakoumis, Alessandro Simi, Guido Manacorda, Dimosthenis Ioannidis, Dimitrios Tzovaras
Path Tracking of Autonomous Ground vehicles Based on multi-PID controllers Optimized by PSO	Sami Allou, Youcef Zennir

Saturday 19th May 2018

Conference Room: B

Time: 10:30-12:30

Title: Fuzzy Logic and Artificial Intelligence

Chair: Gia Sirbiladze, Wen-Hsing Lai

New Fuzzy Approach to Location/Transportation Planning under Extreme and Uncertainty Environment	Gia Sirbiladze, Bezhan Ghvaberidze, Bidzina Matsaberidze
Trapezoidal Hesitant Fuzzy TOPSIS Based Facility Location Selection Problem	Irina Khutsishvili, Gia Sirbiladze
Face Classification Based on PCA by Using the Centroid of a Triangle	W. Klongdee, W. Jeosanurak
Fuzzy Choquet Averaging Aggregations in Facility Location Problem	Gia Sirbiladze, Bezhan Ghvaberidze, Bidzina Matsaberidze
Computer Aided Software for No-limit Texas Hold'em Poker	Wen-Hsing Lai, Zi-Hao Huang
Some Security Model Based on Multi Agent Systems	Georgi Tsochev, Roumen Trifonov, Radoslav Yoshinov, Slavcho Manolov, Georgi Popov, Galya Pavlova