

7th International Symposium on Modelling and Implementation of Complex Systems

Mostaganem, Algeria, October 30-31, 2022

MISC'2022 symposium planning

30/10/2022

Conference room: Auditorium

9h00-9h30: Opening ceremony

9h30-10h30: **Keynote 1:** Pr [Boualem Benatallah](#)

Title: Services AI: Opportunities, Challenges and Directions

Session chairs: 1- Pr Belabbes Yagoubi 2- Pr. Abdelmalek Amine 3- Pr. Chaoui Alaoua

10h30-11h00: Coffee break (Poster session)

Parallel sessions (11h00 – 12h30)

Session 1: Auditorium Session chairs: 1- Pr. Hamid Seridi 2- Pr. Zarour Nacereddine	Session 2: Salle polyvalente 1 Session chairs: 1- Pr. Baghdad Atmani 2- Pr. Med Chaouki Babahenini	Session 3: Salle polyvalente 2 Session chairs: 1- Pr. Mimoune Malki 2- Pr. Merniz Salah
11h00 – 11h30: 9 Hybrid Approach Based on Grey Wolf Optimizer for Dropout Regularization in Deep Learning Selma Kali Ali, Dalila Boughaci	11h00 – 11h30: 2 Probabilistic Forwarding in Named Data Networks for Internet of Things Adel Salah Ould Khaoua, Abdelmadjid Boukra, Fella Bey	11h00 – 11h30: 1 An Overview of Health Monitoring Systems for Arrhythmia Patients Saoueb Kerdoudi, Larbi Guezouli, Tahar Dilekh
11h30 – 12h00: 10 An Illumination-Robust Face Recognition Approach Based on Convolutional Neural Network Abdessalam Hattab, Ali Behloul	11h30 – 12h00: 3 Multi-layer Perceptron for Intrusion Detection Using Simulated Annealing Sarra Cherfi, Ammar Boulaiche, Ali Lemouari	11h30 – 12h00: 7 A Volunteered Simulation Environment Applied to 2D-NCCA Enumeration Nabil Kadache, Rachid Seghir
12h00 – 12h30: 12 Rumor Detection in Algerian Arabizi Based on Deep Learning and Associations	12h00 – 12h30: 4 Evaluation Metrics in DoS Attacks Detection Approaches in IoT: A Survey and a Taxonomy	12h00 – 12h30: 11 Trajectory Tracking of an Ev3 Robot Based on Optical Flow Ghania Zidani, Djalal Djarah, Abdeslam Benmakhlof

Mohamed Charafeddine Bousri, Riad Bensalem, Samah Bessa, Zineb Lamri, Chahnez Zakaria, Nabila Bousbia	Mohamed Riadh Kadri, Abdelkrim Abdelli, Lynda Mokdad	
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12.30 – 14.00 Lunch

14.00-15.00: **Keynote 2: Pr Mourad Debbabi**

Title: Securing the Convergence of IT and OT Technologies in the Critical Infrastructure :
Application to the Smart Grid Domain

Session chairs: 1- Pr. Karim Sehaba 2- Pr Zizette Boufaida

Parallel sessions (15h00 – 16h30)

Session 1: Auditorium Session chairs: 1- Dr. Charef Abdallah Bensalloua 2- Pr. Larbi Sekhri	Session 2 : Salle polyvalente 1 Session chairs: 1- Dr. Nadia Hocine 2- Pr. Ghalem Belalam	Session 3 : Salle polyvalente 2 Session chairs: 1- Pr. Mohamed Benmohammed 2- Pr. Redha Mohamed Hamou
15h00 – 15h30: 15 <i>Survey of the Arabic Machine Translation Corpora</i> Baligh Babaali, Mohammed Salem	15h00 – 15h30: 23 <i>Communities Detection in Epidemiology: Evolutionary Algorithms Based Approaches Visualization</i> Mostefa Mokaddem, Ilhem Idris Khodja, Hamza Amar Setti, Baghdad Atmani, Chihab Eddine Mokaddem	15h00 – 15h30: 5 <i>Combined Use of PBMN and Rewriting Logic for Specification and Analysis of IoT Applications</i> Sofia Abbas, El Hillali Kerkouche, Khaled Khalfaoui, Allaoua Chaoui
15h30 – 16h00: 18 <i>Impact of Normalization and Data Augmentation in NER for Algerian Arabic Dialect</i> Abdelhalim Hafedh Dahou, Mohamed Amine Cheragui	15h30 – 16h00: 24 <i>Cardiovascular Diseases Prediction Based on Dense-DNN and Feature Selection Techniques</i> Abderzak Manaa, Farida Brahimi, Zahira Chouiref, Mohamed Kessouri, Mourad Amad	15h30 – 16h00: 6 <i>The IoT Ecosystem: Components, Architecture, Communication Technologies, and Protocols</i> Seloua Haddaoui, Salim Chikhi, Badreddine Miles
16h00 – 16h30 : 13 <i>Auto-Diversified Ameliorated MultiPopulation-Based Ensemble Differential Evolution</i> Hezili Bisma, Talbi Hichem	16h00 – 16h30 : W2 <i>Swarm Intelligence and Machine Learning for the Automatic Classification of Cardiac Arrhythmias.</i> Yakoub Abdallah OUARDI, Bouchra TRIQUI KAID SLIMANE and Mohammed HABIB Zahmani	16h00 – 16h30 : 14 <i>Plant Recognition Using Data Augmentation and Convolutional Neural Network</i> Said Labed, Hamza Touati, Rougaia Dif

16h30-17h00: Coffee break

31/10/2022

Parallel sessions (09h00 – 10h30)

Session 1: Salle polyvalente 1 Session chairs: 1- Pr. Chaker Mezioud 2- Dr. Moulay Driss Mechaoui	Session 2 : Salle polyvalente 2 Session chairs: 1- Pr. Abdelouahab Moussaoui 2- Dr. Khadidja Yachba
09h00 – 09h30 : 20 <i>Autoencoders and Ensemble-Based Solution for COVID-19 Diagnosis from Cough Sound</i> Skander Hamdi, Abdelouahab Moussaoui, Mourad Oussalah, Mohamed Saidi	09h00 – 09h30 : 16 <i>An Example of a Dynamic CPN Model to Obtain Routes in the Presence of Obstacles Detected Using Machine Learning Techniques</i> Ahmed Bouzenada, Mohammed Mounir Bouhamed, Oussama Kamel, Hermenegilda Macià, Gregorio Díaz, Allaoua Chaoui
09h30 – 10h00 : 21 <i>Efficient Coronavirus Herd Immunity Optimizer for the UAV Base Stations Placement Problem</i> Sylia Mekhmoukh Taleb, Yassine Meraihi, Selma Yahia, Amar Ramdane-Cherif, Asma Benmessaoud Gabis, Dalila Acheli	09h30 – 10h00 : 17 <i>Diabetic Retinopathy Detection Using Deep Learning</i> Kaouthar Manar Fellah, Samir Tigane, Laid Kahloul
10h00 – 10h30 : 22 <i>Modified Fisher Discriminant Analysis, An Application on Facial Detection</i> Korichi Mokhtar El'Amine, Benyoucef Nabila	10h00 – 10h30 : 19 <i>A Comparative Study of Metaheuristics Based Task Scheduling in Cloud Computing</i> Arslan Nedhir Malti, Badr Benmammar, Mourad Hakem

10.30-11.00: coffee break (Poster session)

Parallel sessions (11h00 – 12h00)

Session 1 : Salle polyvalente 1 Session chairs: 1- Pr. Sidi Mohamed Benslimane 2- Pr. Safia Nait Bahloul	Session 2 : Salle polyvalente 2 Session chairs: 1- Pr. Mohamed Amine Chikh 2- Dr. Mohamed Adnane Laredj
11h00 - 11h30 : W1 <i>Building EIMuAQAD: an Explainable Multi-hop. Arabic Question Answering Dataset</i> Abdellah Hamouda Sidhoum, M'hamed Mataoui, and Faouzi Sebbak	11h00 – 11h30 : 8 <i>Platforms Cooperation Based on CloTAS Protocol</i> Bouchera Maati, Djamel Eddine Saidouni, Mohammed Mounir Bouhamed
11h30 – 12h00 : W3 <i>A Review of Container Threats and Security Mechanisms</i> Wissam Boudjahfa, and Fatima Zohra Filali, and Belabbes Yagoubi	11h30 – 12h00 : W4 <i>A novel approach to detect outliers in MCDA problems</i> Toufik Achir, Baroudi Rouba and Mohamed Midoun

12h00 – 12h30: Closure

12h00 – 13h00: Lunch