

7th International Symposium on Modelling and Implementation of Complex Systems, MISC'2022

October 30-31, 2022, Mostaganem, Algeria,

Symposium planning

Sunday, October 30, 2022

Conference room

- 8h00-9h00 : Welcome Reception & Registration
- 9h00-9h30 : Opening ceremony
- 9h30-10h30 : Keynote speaker 1: Pr [Boualem Benatallah](#)

Title: **Services AI: Opportunities, Challenges and Directions**

Session chairs: 1- Pr Belabbes Yagoubi 2- Pr Mohamed Traiche
 3- Pr. Abdelmalek Amine 4- 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 Sarrah 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 Mohamed Charafeddine Bousri, Riad Bensalem, Samah Bessa, Zineb Lamri, Chahnez Zakaria, Nabila Bousbia	12h00 – 12h30: 4 Evaluation Metrics in DoS Attacks Detection Approaches in IoT: A Survey and a Taxonomy Mohamed Riadh Kadri, Abdelkrim Abdelli, Lynda Mokdad	12h00 – 12h30: 11 Trajectory Tracking of an Ev3 Robot Based on Optical Flow Ghania Zidani, Djalal Djarah, Abdeslam Benmakhlouf

- 12.30 – 14.00 Lunch
- 14.00-15.00: Keynote speaker 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- Pr. Larbi Sekhri 2- Dr. Khadidja Yachba	Session 2 : Salle polyvalente 1 Session chairs 1- Dr. Nadia Hocine 2- Pr. Mohamed Amine Chikh	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: 14 <i>Plant Recognition Using Data Augmentation and Convolutional Neural Network</i> Said Labeled, Hamza Touati, Rougaia Dif	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 : 24 <i>Cardiovascular Diseases Prediction Based on Dense-DNN and Feature Selection Techniques</i> Abderzak Manaa, Farida Brahim, Zahira Chouiref, Mohamed Kessouri, Mourad Amad

- 16h30-17h00: Coffee break

Monday, October 31, 2022

Parallel sessions (09h00 – 10h30)

Session 1: Salle polyvalente 1 Session chairs 1- Pr. Chaker Mezioud 2- Dr. Baroudi Rouba	Session 2 : Salle polyvalente 2 Session chairs 1- Pr. Abdelouahab Moussaoui 2- Dr. Charef Abdallah Bensalloua
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- Dr. Moulay Driss Mechaoui	Session 2 : Salle polyvalente 2 Session chairs 1- Pr. Ghalem Belalam 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
- 14h00 : Social Event