

جامعة 8 ماي 1945 قالمة – مخبر العلوم وتكنولوجيا الإعلام والاتصال

University of May 8, 1945 Guelma - Laboratory of Sciences and Technologies of Information and Communication



**Third Conference on Informatics and Applied Mathematics IAM'20  
21-22 October 2020, Guelma-ALGERIA**

<b>Date : 21/10/2020</b>		
<b>09:00 - 09:30</b> <b>Conference opening</b>		
<b>Machine learning &amp; Big Data (President : Pr. M. NEMISSI)</b> <b>9 :30-11 :00</b>		
35	Sahli Nabil, Benmohammed Mohamed, El-Bay Bourennane and Hugues Bersini	Artificial Intelligence and Cyber Security: Protecting and Maintaining Industry 4.0 Power Networks
52	Bakhouche Abdelaali	Automatic lexical Network Generation from deep neural networks with SVM for Arabic word sense disambiguation
54	Nadjet Bouchaour and Smaine Mazouzi	Pattern-based Classification Using Entropy Coding For MRI Data Classification
57	Mohamed Saber Rais, Rachid Boudour and Khouloud Zouaidia	Avoiding obstacles in a road with a maze structure using reinforcement learning methods
<b>Machine learning &amp; Big Data (President: Dr. MA. FERRAG)</b> <b>11 :30-12 :30</b>		
58	Khouloud Zouaidia, Salim Ghanemi and Mohamed Saber Rais	Hourly Wind Speed Forecasting using FFT-Encoder-Decoder-LSTM in South West of Algeria (Adrar)
65	Houassi Hichem, Mahdaoui Rafik and Chouhal Ouahiba	Student Academic Performance Prediction using Data Mining Techniques: A Case Study of Department of Mathematics and Computer Science at Abbas Laghrour University of Khenchela, Algeria
70	Fatima Bourebaa and Mohamed Benmohammed	Deep Neural Network Models for Malware Detection



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<b>Web Services &amp; Technology (President: Dr. Kh. Halimi)</b>		
<b>9 :30-11 :00</b>		
17	Radja Hamli and Allaoua Chaoui	Evolution of Business Protocols using Reconfigurable Petri Nets
27	Khebizi Ali, Seridi-Bouchelaghem Hassina and Douakha Imene	A Formal Approach for Explorative Analysis of Business Processes Data
40	Sara Gasmî and Tahar Bouhadada	Recommendation approach of educational resources in frequents subnetworks
61	Nawel Boukhari, Salim Bouamama and Adel Moussaoui	Path parameters effect on localization using a mobile anchor in wireless sensor networks



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<b>Artificial Intelligence (President: Dr. Z. KOUAHLA)</b>		
<b>09 :30-11 :00</b>		
23	Imen Boulnemour, Bachir Boucheham and Abdelmadjid Lahreche	on enhancing the accuracy of nearest neighbour classifier using improved shape exchange algorithm
45	Mohamed Berrimi, Mourad Oussalah, Abdelouahab Moussaoui, Mohamed Saidi and Skander Hamdi	Arabic dialects identification: Maghrebi dialects case study
48	Abdelmadjid Lahreche and Bachir Boucheham	A comparison study of dynamic time warping's variants for time series classification
<b>Artificial Intelligence (President: Dr. MN. KOUAHLA)</b>		
<b>11 :30-12 :30</b>		
67	Abdallah Benouareth	Face Recognition Using Likelihood-based Sufficient Dimension Reduction (LBSDR)
49	Sid Ahmed Hadri and Abdelkrim Bouramoul	Recent Virtual Reality Advances In Psychotherapy: A Highly Selective Review
8	Nadir Mahammed, Souad Bennabi and Fahsi Mahmoud	Application of Multiple Population Genetic Algorithm in Optimizing Business Process

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<b>Statistical Computation &amp; Simulation (President: Pr. M. KURULAY)</b>		
<b>09 :30-10 :30</b>		
10	Djourdem Habib and Bouteraa Noureddine	Existence of mild solution for stochastic differential equations with fractional derivative driven by multiplicative
12	Soumia Bourchi and Yassine Adjabi	Approximate controllability with Atangana-Baleanu-Caputo fractional stochastic differential equations in Hilbert
26	Mokhtar Bouloudene and Yassine Adjabi	A boundary value problem of fractional conformable in the sense of Caputo differential equation with p-Laplacian operator at resonance
<b>Statistical Computation &amp; Simulation (President: Pr. M. KURULAY)</b>		
<b>11 :00-12 :00</b>		
59	Redouane Douaifia and Salem Abdelmalek	Numerical solutions of the variable-order space fractional activator-inhibitor reaction-diffusion systems
62	Ilhem Mous and Abdelhamid Laouar	Analytical and numerical solutions of a fractional conformable derivative of the modied Burgers equation using the Cole-Hopf transformation

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<b>Date : 22/10/2020</b>	
<b>Session V: (Dr. B. FAROU)</b>	
<b>09:00-12 :00</b>	
Aicha Aggoune	Switching Between Different NoSQL Databases: Approaches and Frameworks
Abdelhalim Hadjadj and Khaled Halimi	The state-of-the-art ontological approach for semantic interoperability in IoT
Karima Benhamza and Ines Guerziz	An Image Reconstruction Model using a Genetic Algorithm
Adil Boughida, MN Kouahla and Yacine Lafifi	An overview of emotion based recommendation in EIAH
Amira Bourechak, MN Kouahla and O Zedadra	Machine learning for data analytic and perdition in IoT application : state of the art
Karima Khettabi, Zineddine Kouahla, Brahim Farou and Hamid Seridi	Comparison of indexing methods for large IoT data sets
Mohamed Cherif Atamnia, Karima Benhamza, Mohamed Nemissi	Data Mining in Medical for BIG DATA
Aymene Dia eddine Berini, Brahim Farou, MA Ferrag and Hamid Seridi	Survey on Unmanned Aerial Vehicle Applications: Challenges Trends and Prospects
Samir Hallaci, Randa Aouassa and Hamid Seridi	A survey of deep face recognition and transfer learning
<b>12:00</b>	
<b>Closing Ceremony</b>	