

TACC 2024



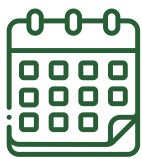
December 17th, 2024



Abdelhamid Mehri - Constantine 2 University

8:30 - 9:00	Registration
9:00 - 9:30	Opening and Welcome Ceremony (IT room)
9:30 – 10:15	Keynote Speaker: Prof. Yessine HADJ KACEM (Associate Professor, Sfax University, Tunisia) Leveraging Artificial Intelligence for Quality Enhancement in Education. Session chair : Chaker MEZIOUD (IT room)
10:15 – 10:45	Coffee break and Poster Session
	1.A New Atomic Broadcast Protocol for Asynchronous Distributed Systems. Nadjette REBOUH, Louiza BOUALLOUCHE . 2.Security of IoT-MQTT Protocol: A Brief Overview. Hayette ZEGHIDA, Mehdi BOULAICHE, Ramdane CHIKH. 3.Introduction to Satellite Quantum Transmission Networks and Handover Inter Domain Systems for World Coverage Communications. Asma ZEHANI, Salaheddine SADOUNI, Kaouther BOUMALEK, Skander ARIS . 4.Deep Learning Formal Models: A Bibliometric Exploration. Angham BOUKHARI, Aicha CHOUTRI, Faiza BELALA , Ahmed HADJ KACEM. 5.Trends and Developments in Self-Adaptive Systems: A Bibliometric Analysis on IoT and Green Computing Integration. Mohamed Hatem M TAZIR, Mohamed Lamine BERKANE, Mohammed Nassim LACHEHEUB.
10:45 – 11:30	Keynote Speaker: Prof. Nardjes BOUCHEMAL (Associate Professor, Abdelhafid Boussouf University Center of Mila) The Next Frontier: AI-Driven Autonomy in IoT Devices. Session chair : Chaker MEZIOUD (IT room)
11:30– 12:30	Session 1 : Blockchain and Edge Computing Session chair : Nardjes BOUCHEMAL & Souheila BOUDOUDA (IT room)
	1.Time-aware middleware for Blockchain-Based Business Process. Asma MAALEJ, Wael SELLAMI, Hatem HADJ KACEM. 2.Deep Reinforcement Learning approach for hierarchical edge devices collaboration. Mohamed Amine GHAMRI, Badis DJAMAA, Akrem BENATIA, Issam Eddine LAKHLEF. 3.Bibliometric Overview of Internet-of-Things and Edge Computing Integration in Smart Healthcare System-of-Systems. Aymen ABDELMOUMEN, Zakaria BENZADRI, Ismael BOUASSIDA RODRIGUEZ, Mohamed Hatem M TAZIR, Oumeima BOUBERTAKH .
12:30– 14:00	Lunch Break

14:00– 15:20	Session 2 : Artificial Intelligence 1
	Session chair: Nardjes BOUCHEMAL & Souheila BOUDOUDA (IT room)
18:00– 19:30	1. A Deep Learning Based Approach for Short-Term Electrical Energy Consumption Prediction. Zakaria LAKHDARA, Fadia Malak BOUCHAMA, Nahla HAMLETTE.
	2. Uterine Ultrasound Image Captioning Using Deep Learning Techniques. Abdenmour BOULESNANE, Boutheina MOKHTARI, Oumnia Rana SEGUENI, Slimane SEGUENI.
	3. Revolutionizing Remote Healthcare: A Deep Learning System for Medical Image Analysis. Kamal HAMAZ, Zakaria BENZADRI, Salheddine SADOUNI.
	4. A Two-Stage GAN Oversampling: Integrating GPT-3 and DBpedia for Named Entity Recognition Datasets. Adel BELBEKRI, Wissem BOUARROUDJ, Fouzia BENCHIKHA.
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December, 18th 2024



Abdelhamid Mehri - Constantine 2 University

9:00– 9:45	Keynote Speaker: Prof. Victor CHANG (Professor of Business Analytics, Aston University) Knowledge Graph & Deep Learning-based Text-to-GraphQL Model for Smart Medical Consultation Chatbot Session chair : Djamel BENMERZOUG & Nacer Eddine ZAROOUR (IT room)
9:45 – 10:15	Coffee Break
10:15 – 11:00	Keynote Speaker: Prof. Carlos Juiz GARCIA (Full professor at The University of the Balearic Islands) On the Scalability of the Speedup considering the Overhead of Consolidating Virtual Machines in Servers for Data Centers Session chair : Djamel BENMERZOUG & Nacer Eddine ZAROOUR (IT room)
11:00 – 12:00	Session 3 : Text and Data analysis
	Session chair: Mohamed BENMOHAMMED & Karim ZAROOUR (IT room)
12:00 - 13:30	1. Exploring Automated Text Summarization in Clinical Approaches Trials: Towards Explainable AI Solutions. Zakaria BENZADRI, Maroua BENHAMLAOUI, Naila MARIR.
	2. New metrics for object-oriented software based on regular expression. Fatma Zohra MEKAHLIA, Rabah Chabane CHAOUICHE.
	3. Process of generating RDF mapping model for OGD-LOD transformation. Khadidja BOUCHELOUCHE, Abdessamed Reda GHOMARI, Leila ZEMMOUCHI-GHOMARI .
Lunch Break	

13:30 – 14:30	Session 4 : Network & Security Session chair: Chafia BOUANAKA & Afifa GHENAI (IT room)	Session 5 : Artificial Intelligence 2 Session chair: Fouzia BENCHIKHA & Zizette BOUFAIDA (IT room)
	1.Secure Cloud Authentication Using AES Encryption. Leila MEGOUACHE. 2.Advanced Approach for Securing Satellite Communication through 5G Network Convergence. Salheddine SADOUNI, Ouissal SADOUNI, Skander ARIS, Leila MEGOUACHE, Zakaria BENZADRI, Kamal HAMAZ, Abderraouf MESSAI. 3.The application of AIoT to predict potential hazards under the Sidi Rached bridge of Constantine. Nabila AISSANI, Abderraouf MESSAI , Salheddine SADOUNI.	1.Evaluation of Initialization Methods for the Archerfish Hunting Optimizer: A Comparative Study. Aridj FERHAT, Farouq ZITOUNI, Abdelhadi LIMANE, Rihab LAKBICHI, Saad HAROUS. 2. Enhancing Predictive Maintenance in Oil and Gas Industries: A Case Study on Propane Refrigeration Cycles at Sonatrach. Ismail BOUACHA, Safia BEKHOUCHE, Abderrahmane KEFALI. 3.Assessing the Generalizability of Deep Learning-Based Compression Techniques for Multibodypart X-ray Medical Images: A Comparative Study. Amina FETTAH, Rafik MENASSEL, Abdeljalil GATTAL.
14:30 – 15:00	Closing Session	

