



**Tunisian Algerian Conference on Applied
Computing
(TACC 2022)**

**Tunisian-Algerian Joint Conference on
Applied Computing.**

13 – 14 December 2022
Constantine, Algeria



Program

Tuesday, 13 December 2022

8:30 - 9:00 : Registration

9:00 - 9:30 : Opening ceremony

9:30 – 10:00 **Keynote Speaker1: Dr. Ilhem Kitouni, LISIA Laboratory, Constantine2-University, Algeria.**
“Vers une société connectée - Contribution de l'Université”

10 – 10:15 **Coffee Break**

10:15 – 11:15 **Session 1 : Natural Language Processing**
Session chairs :

1. Ahmed Bouliche and Abdellah Rezoug. ***Detection of cyberbullying in Arabic social media using dynamic graph neural network***
2. Nesrine Ksentini, Siwar Zayeni, Mohamed Tmar and Faiez Gargouri. ***Hybrid query expansion using linguistic resources and word embeddings***

11:30 – 13:30 **Lunch Break**

14:00 – 14:55 **Session 2 : Edge & Smart Systems**
Session chairs:

1. Mouna Rhaïem, Mariam Chaabane and Ismail Bouassida Rodriguez. ***Air Quality System in Smart City: Systematic Literature Review***
2. Nour El Houda Boubaker, Karim Zarour, ***Nawal Guermouche and Djamel Benmerzoug. Fog and Edge Service Migration Approaches based on Machine Learning Techniques : A Short Survey***

15:00 -17:30 **Site Seeing**

19:00- 20:30

Gala Diner

Wednesday, 14 December 2022

9:00 - 9:45 **Keynote Speaker2: Prof. Ladjel Bellatreche, LIAS
Laboratory, ISAE ENSMA, Poitiers, France.
"To be announced"**

9:45 - 10:00 **Coffee Break**

10:00 - 11:45 **Session 3 : Applied AI**

Session chairs :

1. Abdelhammid Bouazza, Hichem Debbi and Hicham Lakhlef. ***Machine Learning-based Intrusion Detection System Against Routing Attacks in the Internet of Things***
2. Staifi Nouredine and Belguidoum Meriem. ***ViolationPredictor: a Solution for Predicting SLA Violations of IoT Applications***
3. Sabrina Karboua. ***Mitigation of Popularity Bias in Recommendation Systems***
4. Ali Boukehila. ***Fuzzy Logic for Emergence Verification"Design Healthcare framework"***

12:00 - 14:00 **Lunch Break**

14:00 - 15:00 **Session 4 : Doctoral Symposium**

Session chairs :

1. Riad Helal, Akram Seghiri and Faiza Belala. ***An Integrated Approach to Formal Analyze Cyber Physical Systems***
2. Sameh Ben-Aoun, Meriem Belguidoum and Ahmed Hadj-Kacem. ***ECO-TrackDrive: a tracking system for energy- efficient driving***
3. Marwa Chaabane and Bruno Koller. ***Towards an automatic approach based on MAPE-K for the registration of multi-modal data in medical imaging***

15:00- 15:45

**Keynote Speaker3: Prof. Hamid Mcheick, UQAC,
Université du Québec à Chicoutimi**
“Design healthcare framework”

15:45- 16:30

Closing Session

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