

INTERNATIONAL WORKSHOP ON INFORMATION TECHNOLOGY & COMMUNICATION FOR A SMART CITY

20TH MAY. 2024
ENSA
MARRAKESH. MOROCCO



5TH EDITION

IWITC'24 Program

08:30: Registration

09:00: Opening Ceremony

- President of Cadi Ayyad University
- Director of ENSA Marrakesh
- Committee's Chairs

09:30: Societal, learning, and mobility issues for the city of tomorrow

- **Keynote Talk 01** : Marrakech ville apprenante, Marrakech ville intelligente , quelles interactions. Quelles conditions? Directeur Régional De L'alphabétisation Abdellah Khaloub / Pr. Mohammed Bougroum CEIRS-UCA.
- **Keynote Talk 02** : La ville de demain et Les nouvelles formes de participation citoyenne, Prof. Yassin Aabbar, Cadi Ayyad University.
- **Keynote Talk 03** : Psychology and ergonomics contributions to design for mobility: an overview of current research at LaPEA on safety and user experience, Prof. Jean-marie burkhardt, Gutave Eiffel, University.

10:35 Coffee Break

11:05: City of tomorrow: technological challenges

- **Keynote Talk 04** : IA - Electrical Engineering & Smart Cities, Prof Aziz Benlarbi Dalai, Sorbonne University.
- **Keynote Talk 05** : Réseau de capteurs pour l'énergie à l'échelle du quartier : architecture, données et applications, Dr. Elyes Nefzaoui, ESIEE Paris.
- **Keynote Talk 06** : Solution-Processed Functionalized Graphene Film Prepared by Vacuum Filtration for Flexible NO2 Sensors, Dr. Fatima Zahra Bouanis, Gutave Eiffel, University.

12:30 Lunch Break

14:30 : Paper Session

16:00 Closing Ceremony

LIST OF ACCEPTED PAPERS

- **Session I: Cloud computing, 5G and 6G, Chair session: Khalid ELBAAMRANI, Fouzia BOUKOUR (Salle Polyvalente)**
 - **Design and Optimization of Microstrip Patch Antenna using Ant Colony Optimization, Ibtissam BAHLAOUANE, Abdelfettah BELHABIB, Saida IBNYAICH and Abdelouhab ZEROUAL**
 - **Advancements in Circularly Polarized Patch Antennas, Abdelilah AIT LAHCEN, Zakaria EL OUADI, EL AOUAD Salah Eddine, Saida IBNYAICH and Abdelouhab ZEROUAL**
 - **Advancements and Applications of Channel Estimation Techniques in Cell-free Massive MIMO Architectures for 5G and 6G Communication Networks, Safia BOUNAQAIA and Mohamed BOULOUIRD**
 - **Intelligent Spectrum Sensing for 6G Wireless Communication Systems, Abdessalam EL BANDOUDI and Mohamed BOULOUIRD**
 - **Time-Frequency resource detection for Cognitive Radio - IoT (CR-IoT), Khadija Lahrouni, Hayat SEMLALI, Abdelilah GHAMMAZ, Guillaume ANDRIEUX and Jean-François DIOURIS**
 - **Software Defined Networking for 5G QoS Improvement, Fatima LAASSIRI, Nouredine IDBOUFKER, Mohamed MOUGHIT and Najib MOUHASSINE**

- **Session II: Urban Mobility, Session chair: Maria Zrikem, Boulouird Mohamed (Salle 6)**
 - **Blockchain for Urban Mobility: Smart City Solutions to enhance Sustainable and Secure Transportation Systems, Kaoutar AMEKHCHOUNE, Raja ELASSALI and Nouredine IDBOUFKER**
 - **"Logistics of multimodal goods transfer by cables", Saïd HAYAT**
 - **Incentivized Privacy-Preserving Route Optimization with Blockchain and Secure Multi-Party Computation for Congestion Management in Smart Cities, Inas HASNAOUI, Maria ZRIKEM and Rajaa ELASSALI**
 - **Blockchain-Enabled Food Traceability in quick-service restaurants for Smart Cities: A Novel BcIoT-Based Architectural Design, Zouhair ELHADARI, Hicham ZOUGAGH, Nouredine IDBOUFKER and Mohamed ECH-CHEBABY**
 - **Quantum-Inspired Intelligent Optimization Techniques for Logistical Challenges : Integrating Artificial Intelligence Models, Hajar BACHIRI TAOUFIQ, Maria ZRIKEM, Abdeslam JAKJOUND and Rajaa ELASSALI**

LIST OF ACCEPTED PAPERS

- **Session III: Sustainable cities, AI and IoT, Chair session: Hamada EL KABTANE, Dalli Anouar, Elyes NEFZAOUI (Salle 5)**
 - **Forecasting Daily Climate Variables Using CNN and LSTM Models, EL MAKKAOUI Mohcen, DALLI Anouar and ELBAAMRANI Khalid**
 - **Enhancing Building Management: A Naive Bayes Approach for Workspace Occupancy Prediction, Mohammed ENNEJJAR, Samira CHABAA and Abdelouhab ZEROUAL**
 - **Machine learning techniques for identifying block cipher algorithms, Hamza ALLAGA, Khadija LAHROUNI, Abderrazak FARCHANE and Said HAKIMI**
 - **Cyber security of the physical layer for cognitive radio networks in vehicular communications, BELKHADIR Mouhcine and ELASSALI Rajaa**
 - **Improving Skin Cancer Identification via Transfer Learning Implementation, Ayoub ELAALOU, Anouar DALLI and Khalid EL BAAMRANI**
 - **Optimization of resource management in 5G V2X communication systems, OUMMANY Youssef, Raja ELASSALI and Fouzia ELBAHHAR BOUKOUR**