

**4<sup>th</sup> International Conference on Applied Sciences & Computer Engineering  
(CASCE'23)  
L2IS Conference  
November 30, 2023  
FST-UCA, Marrakech, Morocco**



The **Systems and Computer Engineering Laboratory (L2IS)** of the Faculty of Science and Technology (FST), Cadi Ayyad University-Marrakech, organizes the fourth edition of the **International Conference on Applied Sciences & Computer Engineering (CASCE'23)**. This edition of the **CASCE'23** will be held on **November 30, 2023 at FST-Marrakech**.

The **4th International Conference on Applied Sciences & Computer Engineering** aims to bring together Phd students, academic researchers and professionals from diverse backgrounds to present and share their experiences and cutting-edge research on all aspects of Artificial Intelligence, Applied Sciences, Computer Engineering, Intelligent Systems and Technologies that have revolutionized the world today. This scientific event will also provide a premier interdisciplinary platform for academic scientists, researchers, practitioners and educators to exchange and discuss about the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the aforementioned fields. Moreover, it provides an opportunity to all of them to establish privileged contacts with the scientific community, especially with other research laboratories.

In addition, CASCE'23 will be the ideal place for PhD students to sharpen their theoretical and practical knowledge, to take advice and support on their scientific findings, to meet specialists, to exchange and discuss about the latest scientific breakthroughs and discoveries in all areas of: Artificial Intelligence, Computer Engineering, Intelligent Systems and Technologies; to rub shoulders with them more closely, to prepare them to take over, and to ensure the continuity of their research fields.

**Scientific committee:**

- |  |                                       |
|--|---------------------------------------|
| A. ABDALI (FST, Marrakech, Morocco)      | D. LAANAOU (ENS, Marrakech, Morocco)  |
| K. AFDEL (FS, Agadir, Morocco)           | A. OUAARAB (FST, Marrakech, Morocco)  |
| M. AIT HEMAD (FST, Marrakech, Morocco)   | S. QASSIMI (FST, Marrakech, Morocco)  |
| L. AMIR (FST, Marrakech, Morocco)        | A. GUEZZAZ (ESTE, Marrakech, Morocco) |
| O. BANOUAR (FST, Marrakech, Morocco)     | S. RAKRAK (FST, Marrakech, Morocco)   |
| O. BENCHAREF (FST, Marrakech, Morocco)   | N. ZAHID (ENS, Marrakech, Morocco)    |
| M. BENHADDI (FST, Marrakech, Morocco)    | ....                                  |
| S. BENKIRANE (ESTE, Marrakech, Morocco)  |                                       |
| N. BOURQUIA (FST, Marrakech, Morocco)    |                                       |
| K. BOUZAACHANE (FST, Marrakech, Morocco) |                                       |



## Topics:

Machine learning, Deep Learning, Big Data  
Neural networks  
Artificial intelligence  
Intelligent systems and sensors  
Computational intelligence  
Evolutionary computing, Bioinspired Computation  
Complex systems  
Cloud systems and data centers  
Distributed ledgers and blockchain technologies  
Intelligent communications  
Intelligent electronics  
Intelligent electrical systems  
Information fusion, Intelligent control  
Intelligence sensors  
Smart sensors, Imaging sensors, Sensor application  
Intelligent manufacturing systems  
Intelligent medical systems  
Intelligent systems and Technologies  
Intelligent transportation systems  
Mathematical models  
Robotics Social systems  
Web intelligence and interaction  
IoT, 5G, URLLC  
Mobile, wireless, ad-hoc and sensor networks  
Robotics, Robotic sensing  
Remote Sensing, UAV/Satellite and aerial images  
Informatics Engineering and Technology  
Image and Vision Computing  
Fuzzy control Fuzzy sets and logic Fuzzy systems  
Neuro-fuzzy systems  
Others  
M. CHAKRAOUI(FP, Khouribga, Morocco)  
A. DAROUICHI (FST, Marrakech, Morocco)  
H. EL BAHI (ENCG, Marrakech, Morocco)  
A. ELBOUSHAKI (FST, Marrakech, Morocco)  
S. EL HADAJ (ENCG, Marrakech, Morocco)  
E. EL GUARMAH (ERA, Marrakech, Morocco)  
S. KALOUN (FST, Marrakech, Morocco)

## Organizing committee:

Said RAKRAK, FST-UCA Morocco  
Omar BENCHAREF, FST-UCA Morocco  
Aziz DAROUICHI, FST-UCA Morocco  
Soulimane KALOUN, FST-UCA Morocco  
Oumayma BANOUAR, FST-UCA Morocco  
Khadija BOUZAACHANE, FST-UCA Morocco  
Abdsamad ELBOUSHAKI, FST-UCA Morocco  
Aziz OUAARAB, FST-UCA Morocco  
Sara QASSIMI, FST-UCA Morocco

## Important Dates :

Abstract submission deadline : **November 13, 2023**  
Notification of acceptance : **November 20, 2023**  
Camera-ready submission : **November 27, 2023**  
CASCE'2023 : **November 30, 2023**

## Contact:

All questions about submissions should be emailed to:  
[casce2023@gmail.com](mailto:casce2023@gmail.com)

- **All presentations and posters should be given in English.**
- **The time provided for oral presentation is 15 min (presentation: 10 min + questions: 5 min).**
- **The speakers should give their slides to the session chair before the beginning of each session.**