**Workshop**

**“Images processing and Smart Cities”**

Animated by:

**Dr. Hicham OUALLA**

Images processing and smart cities,

Innovation Project Leader,

AKR Research, AKKODIS, France

[hicham.oualla@akkodis.com](mailto:hicham.oualla@akkodis.com)

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**Mr. Abdelkrim SAOUABE**

Images processing and smart cities,

Innovation Project Leader,

AKR Research, AKKODIS, France

[abdelkrim.saouabe@akkodis.com](mailto:abdelkrim.saouabe@akkodis.com)

**Motivation and Aims**

Image processing plays an essential role in the labelling of images for Smart Cities. Indeed, at the heart of the infrastructure of these smart cities, images captured by surveillance cameras, sensors and drones are often abundant and varied. Image processing, through artificial intelligence and machine learning, not only enables these images to be analyzed in real time to detect crucial information such as traffic, pedestrians, or incidents, but also automatically labels this visual data. These labels or metadata are then used to enrich Smart Cities databases, enabling more efficient resource management, better urban planning, and a proactive response to citizens' needs, thus helping to make cities smarter and more connected. This special session:

* First, we will present the different approaches proposed in the literature for indexing images
* Also targets interventions by researchers, experts, and specialists in this field, from academia and industry, by presenting and discussing different intersecting points of view and visions.
* Will surely allow us to share, discuss and exchange the latest research, theories, and applications in the fields of images processing and smart cities.
* Is open to all disciplines linked to the study and development of images processing and smart cities. Authors are invited to submit original research articles, which propose new methodologies, approaches and research directions that cover a variety of topics:

**Main axes**

* Image indexing and retrieval
* Captioning images
* Image Reconstruction
* Image Restoration
* Image Enhancement
* Image Quality Estimation
* Spectral Image Estimation
* Image Data Compression.
* Image Acquisition
* Color Image Processing
* Automated traffic management systems
* Samrt surveillance
* Intelligent Transportation Networks
* Automated Parking Solutions
* Image-Based Emergency Response Systems
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