

# The 2<sup>th</sup> International Workshop on Smart Innovative Systems

**February 02-04, 2020**  
**SOUSSE, TUNISIA**

## **CALL FOR WORKSHOP**

The second International Workshop on smart Innovative Systems presents a forum for scientists, engineers and practitioners to present their latest research ideas, developments and applications in all areas of smart systems. During the workshop, three main activities will be scheduled. The first event concerns the presentation of innovative ideas in the context of the European projects program. A practical case of project building steps will be presented. In the second activity, training sessions about deep learning methods and applications will be planned. The third activity concerns the presentation of the accepted papers in the field of Pattern recognition, IoT, Sensor Networks and Embedded Systems.

### **Activity 1: Project Buiding**

- Introduction to the International research projects program (PRF, African project, Erasmus action2, H2020)
- Presentation of the different steps of project building
- Practical case of accepted International project
- Presentation of new project proposals based on Smart Innovative Systems.

### **Activity 2: Deep Learning Training Course**

- Introduction to Machine Learning
- Presentation of Artificial Neural Networks (Neurons, Layers, Activation Functions, Softmax, Back-Propagation, Gradient)
- Installation of Python and deep learning libraries (Tensorflow, Keras)
- Implementation of Deep Neural Networks (CNN, RNN and DBN)

### **Activity 3: Oral and Poster presentations**

- This session is dedicated to present the accepted papers

**Inscription link:** [www.bitly.com/iwsis2020](http://www.bitly.com/iwsis2020)

## **General Chair**



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