

**Special Session on  
Intelligent Video Surveillance Applications  
at  
21<sup>st</sup> International Conference on Intelligent Systems Design and Applications  
(ISDA)  
on  
World Wide Web  
December 13-15, 2021**

<http://www.mirlabs.net/isda21/>

**Objectives and Scope**

Nowadays, surveillance systems have witnessed impressive advancements. They aim to ensure security purposes in both public places (*e.g.*, airport, streets, etc.) and private places (*e.g.*, office, home, laboratory). However, human monitoring of these camera networks is extremely ineffective due to huge data overload. Consequently, the vision community aims to make these security systems human-independent by developing a fully automated intelligent multi-camera video surveillance system. This system is made up of several processing steps such as object/people detection, people recognition, scene understanding, activity recognition, etc. The main problem of these methods is to overcome the challenges of the uncontrolled acquisition conditions in terms of lighting variations, crowd place, viewpoint and pose variations, occlusions, etc.

The scope of the special session includes but is not limited to those methods that propose a solution for the intelligent video surveillance system. This special session seeks submissions about the latest advances in intelligent video surveillance applications. We especially encourage novel methods that rely on deep learning techniques.

**Subtopics**

Topics of interest of this special session include, but are not limited to:

- foreground extraction/background subtraction
- object detection and classification
- object/people identification and reidentification
- object/people recognition
- object/people tracking
- activity/action recognition
- scene understanding
- abnormal behaviour recognition
- fall detection of elderly

- crowd analysis
- etc.

### **Paper Publications**

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago)  
<https://www.springer.com/series/15179>
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: <https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

### **Important Dates**

Paper submission due: September 30, 2021

Notification of paper acceptance: October 31, 2021

Registration and Final manuscript due: November 15, 2021

Conference: December 13-15, 2021

### **Special Session Chair**

- Mohamed Hammami, Professor at MIRACL-Faculty of Sciences of Sfax, University of Sfax, Tunisia
- Emna Fendri, Associate Professor at MIRACL-Faculty of Sciences of Sfax, University of Sfax, Tunisia
- Mayssa Frikha, Assistant at MIRACL-Faculty of Sciences of Sfax, University of Sfax, Tunisia

**Information Contact:** Mayssa Frikha <[frikha.mayssa@hotmail.fr](mailto:frikha.mayssa@hotmail.fr)>