

**9th World Congress on Information and Communication Technologies  
(WICT 2019)**

<http://www.mirlabs.net/wict19/>

**GIET University, Gunupur, Odisha, India.**

**Special Session**

**on**

**Pattern Recognition and Machine Learning: Innovations, Applications and Challenges**

**Scope and Objective**

In the last two decades, Pattern recognition and Machine learning models have helped in developing various state of the art applications. These models find their use in different areas of research such as Image processing, Mobile ad Hoc networks, Wireless sensor networks, Signal processing etc. These models have undergone substantial advancements in the last decade and have become an essential and important part of the current research that is being done in the area of information and communication technology. Hence, the target of this special session is to present the literature, current trends, innovations and applications based on these models. The challenges faced by these models to address current research problems will also be considered for the session.

We invite high quality contributions from all the areas, which uses pattern recognition and machine learning techniques to address various research problems. Several topics of interest include, but are not limited to, the following:

- Pattern Recognition Principles
- Biometrics
- Computer Vision
- Virtual reality
- Image Processing and Analysis
- Deep Learning and Neural Networks for Pattern Recognition
- Human Computer Interaction
- Document Processing and Recognition
- Medical Image analysis
- Fuzzy and Hybrid Techniques in Pattern Recognition
- Content based retrieval for Image and Video
- Natural Language Processing and Recognition
- Object Detection, Tracking and Recognition
- Robotics
- Remote Sensing
- Cyber Security
- Signal Processing and Analysis
- Statistical Pattern Recognition

- Speaker and Speech Recognition
- Mobile AdHoc Networks
- Sensor Networks
- IOT Applications

### **Paper Publications**

All accepted and registered papers will be published in AISC Series of Springer, indexed in ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springer link. For more details about publication of extended version of accepted papers paper in journal special issues, kindly visit <http://www.mirlabs.net/wict19/journal.php>

### **Important Dates**

Paper submission due: September 01, 2019

Notification of paper acceptance: October 15, 2019

Registration and Final manuscript due: October 30, 2019

Conference: December 16 - 18, 2019.

### **Special Session Chairs**

- Dr. Mohit Dua ([er.mohitdua@nitkkr.ac.in](mailto:er.mohitdua@nitkkr.ac.in)), Department of Computer Engineering
- Dr. Ankit Kumar Jain([ankit.jain2407@gmail.com](mailto:ankit.jain2407@gmail.com)), Department of Computer Engineering
- Dr. Pankaj Verma ([pankaj@nitkkr.ac.in](mailto:pankaj@nitkkr.ac.in)), Department of Electronics and Communication Engineering