



# Special Session 10 (ICTCS 2016 – SS10)

## 2<sup>nd</sup> International Conference on ICT for Competitive Strategies 4 – 5 March, 2016 | Udaipur, INDIA

### Session Title - Recent development in the field of Robotics, Machine Learning and Biometric security for enabling the low cost and easy to use technology for development of social intelligent system.

#### Aim and Scope of Session

We are moving toward the digital world. Our prime minister has taken the initiative toward enable such technology which is easy to use and cheap. To foster this dream we need to enable such technology which can make life easy of general people. The focus is to make more easy life for people who are deprived from the difference sense. This track focuses to develop the robot which can interact with human being and walk like human being. It will help to develop the robot which can assist elderly people and provide social service. The bipedal walk will help to understand the problem of elderly people and amputee. So, our focus will be for wearable and sensor based low cost service. Another topic is biometric identification using gait and EEG signal as it is very unique and research has proved, it is not easy to compromise like other biometric traits. We need to develop such intelligent system which can learn from environment and can classify the strongly pattern available for security and other purpose. So, we focus on machine learning, AI and pattern recognition in this track and last theme is biometric and information security in digital world, it is prime most requirement to enable digital world.

#### Subthemes –

- ✓ Topics/Areas of Interest
- ✓ Human Computer Interface
- ✓ Bipedal Robot Walk and Push Recovery
- ✓ Wearable and low cost sensor device
- ✓ Smart City
- ✓ Biometric Identification (GAIT, EEG based)
- ✓ Pattern Recognition
- ✓ Machine Learning
- ✓ Artificial Intelligence
- ✓ Sensor and wireless Technology.
- ✓ Biometrics for Information Security

## Special Session Coordinator Details



**Vijay Bhaskar Semwal** obtained his B.Tech. from the College of Engineering Roorkee, Roorkee, in 2008. He received his M.Tech. from IIT Allahabad in 2010. Currently, he is pursuing a Ph.D. from IIT Allahabad. Before becoming a research scholar at IIT Allahabad, he worked as a Senior System Engineer (R&D) with Siemens Gurgaon and Bangalore. He has worked for various major organizations, such as Siemens AG and Newgen. Currently he is serving as chair for IEEE student branch of IIT-Allahabad. For 2013-14 he served as publicity committee mentor for IEEE student branch IIT Allahabad, session 2015-16 and he has contributed as vice chair for IEEE student branch IIT Allahabad, session 2014-15. His research interests are machine learning, evolutionary algorithms, analysis of biped locomotion and humanoid push recovery, artificial intelligence, design & analysis of algorithms, biometric identification, Brain wave based authentication.

### **Call for Papers with Last date of Paper Submission/Paper Acceptance:**

Paper Submission End Date: November 30, 2015

Paper Acceptance Notification: December 20, 2015

Registration Due: December 28, 2015

### **Contact Details with E-mail id and Mobile No.**

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### **Paper Submission Process:**

Special sessions supplement to the regular program for ICTCS 2016. Each special session should provide an overview of the state-of-the-art and highlight important research directions in a field of special interest to ICTCS participants.

**Special Session Submissions can only be submitted to the Session Coordinator Mail Id - [vsemwal@gmail.com](mailto:vsemwal@gmail.com)**

## **Publication of Conference Papers (Special Sessions)**

**All accepted Papers will be published in ACM - International Conference Proceedings Series (ICPS) and will be available in ACM Digital Library. Allotted ISBN Number by ACM - ICPS for Proceeding Volume: 978-1-4503-3962-9**



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