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## **Artificial Intelligence for Smart Healthcare (AISHC)**

### **Session Chair(s):**

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### **Aims & Scope:**

Artificial intelligence (AI) has been into healthcare sectors such as disease diagnosis, treatment, patient care and prediction. The adoption of AI into healthcare is improving significantly across the globe. In developing countries like India, AI for smart healthcare is highly essential, especially during the pandemic situations like COVID-19, which we are facing most recently. Even in the case of developed countries at the global level, the number of doctors to the patient ratio is highly imbalanced. In such scenarios, AI based solutions serve as an efficient assisting system for healthcare community. This is feasible with the recent Industry 4.0 revolution, which encompasses the combination of traditional manufacturing and industrial platforms and practices with the latest smart technology such as Internet of Things, Blockchain, quantum computing, machine learning, deep learning, generative deep models, etc.

### **Subtopics:**

We invite original (unpublished) research contributions based on the above-mentioned theme including following topics **but not limited to**:

- Signal processing for healthcare
- Image processing for healthcare
- Machine learning and deep learning for healthcare
- Transfer learning for healthcare
- IoT in healthcare
- Security in healthcare
- Edge computing in healthcare
- Federated learning in healthcare

- Imitation learning in healthcare
- Explainable AI in healthcare
- Big data and streaming analytics in healthcare
- Healthcare with Software-Defined Networks
- Adaptive decision-making unit for Healthcare
- Data Analytics for the Spread of a Pandemic

## **Technical Programme Committee(s):**

Dr. Mamoun Alazab, Charles Darwin University, Australia  
Dr. Uttam Ghosh, Vanderbilt University, USA  
Dr. Syed Ahmad Chan Bukhari, St. John's University, USA  
Dr. Quoc-Viet PHAM, Pusan National University, South Korea  
Dr. Annappa B, National Institute of Technology, Karnataka  
Dr. M. Hassaballah, South Valley University, Egypt  
Dr. Ajay Arunachalam, Örebro University, Sweden  
Dr. Manish Dasyani, Cincinnati Children's Hospital Medical Center, USA  
Dr. Sherin Mary Mathews, University of Delaware, USA  
Dr. Varun Bajaj, IIITDM Jabalpur

## **Submission Procedure:**

Researchers and practitioners are invited to submit papers through the below given easy chair link:  
<https://easychair.org/conferences/?conf=wcis2020>

Select the special session track from the listed track. All submissions must be original and may not be under review by another publication. The submitted papers will be reviewed on a double-blind and peer review basis.

## **Publications:**

The after-conference proceeding of the CIS2020 will be published in Springer Book Series, 'Advances in Intelligent Systems and Computing'.

All inquiries should be directed to the attention of Session Chair/Co-Chair:

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