

Call for Papers

Special Session

On

“Artificial Intelligence for Healthcare”

Artificial Intelligence (AI) has been rapidly adopted in the field of medicine to assist physicians in diagnosis, treatment and prevention. Recent advancements in AI are proving beneficial in development of applications in various spheres of medicine such as microbiological analysis, discovery of drug, disease diagnosis, Genomics, medical imaging and bioinformatics for translating biomedical data into improved human healthcare. Due to increasing availability of electronic healthcare data and rapid progress of analytics techniques, a lot of research is being carried out in this area. Prospective authors are invited to submit their original research work that deals with theory, methods, systems and applications of Artificial Intelligence in healthcare. The topics of interest for this session can include, but not limited to:

- Applications of AI in Healthcare
- Biomedical Ontologies, Terminologies and Standards
- Biometrics
- Brain-Computer Interface
- Data Mining and Knowledge Discovery from Clinical Information
- Ethical Issues of AI and Health
- Healthcare Data Analytics
- Healthcare Expert Systems
- IoT in Health and Medicine
- Knowledge Management and Representation for Health Data
- Medical Signal and Image Processing
- Medical Surveillance
- Natural Language Processing in Patient Care and Public Health
- Pattern Recognition in Medicine
- Predictive Models in Medicine
- Reasoning in Healthcare
- Risk Assessment, Trust, Ethics, Privacy and Security of Electronic Health Records
- VR/AR in Health Education, Diagnosis and Surgery



17-20 October 2019

Hotel Grand Hyatt, Kochi, Kerala

Technology, Knowledge, and Society

Authors are requested to submit full paper (Maximum 6 pages, double- column US letter size) as PDF using the IEEE templates. The IEEE paper template can be downloaded from the following link.

http://www.ieee.org/conferences_events/conferences/publishing/templates.html.

The submission is to be done through the TENCON website www.tencon2019.org. All the accepted and presented papers will be submitted to IEEE Xplore® digital library for publication.

Important Dates:

Paper Submission Deadline: **June 30, 2019**

Paper Acceptance Date : **August 15, 2019**

Camera-Ready Submission: **August 30, 2019**

Special Session Chairs:

Dr. Ketan Kotecha

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