



5th International Conference on Advanced Machine Learning Technologies and Applications (AMLTA-2020)
Manipal University Jaipur, Jaipur, Rajasthan, India
February 13-15, 2020.

Special Session on

Applied Artificial Intelligence for Societal Benefits (AAISB)

Special Session Organizer(s):



Dr Nisheeth Joshi is an Associate Professor at Banasthali Vidyapith, India. He has done his PhD in the area of Natural Language Processing. Being involved in teaching and research for over 12 years, he has developed the art of explaining even the most complicated topics in a straight forward and easily understandable fashion. He also has vast experience of handling large scale research projects. This has helped him in developing practical insights of complex AI systems. He has authored several papers in international journals and conferences on various topics that includes Machine Translation Evaluation, POS Tagging, Morphology, Name Entity Translation, Text Simplification etc. He has authored 3 books and 2 MOOCs. One of his book has been translated into Chinese, Korean and French.

He can be contacted at nisheeth.joshi@rediffmail.com



Dr. Ajai Kumar is a Senior Director and Head, Applied AI Group at C-DAC, Pune, India. He has over 27 years experience in developing and deploying AI systems. He has been instrumental in completing many AI projects that are deployed in various state and central government departments and various defence establishments. He has extensive experience in R&D projects in Natural Language Processing (NLP), Machine assisted Translation (MT), Information Extraction and Information Retrieval (IE/IR), Speech Technology.

He can be contacted at ajai@cdac.in

DESCRIPTION

Artificial Intelligence is an interdisciplinary area. A range of AI applications offers a great potential for society. Hence, societal issues related to the usage of Artificial Intelligence can not to be ignored. With the current state of the art we can resolve various societal problems using AI. The broader societal issues include agriculture, healthcare, e-governance, ecommerce, community welfare, entertainment, cultural, management, economics, energy efficiency, etc. AI helps society by providing a sustainable, secure, fair, and ethical perspective. From an IT perspective, societal issues entail human-centered perspective for model designing. AI applications in the areas of social relevance aspire to be fair and unbiased. AI systems are difficult to interpret as they work on a very high level of abstraction. This makes their interpretation, fairly a complex job. Only interpretable models are well-explained where decision-making is conveyed to humans. AI is still under development stage. Thus, to validate its performance on various untouched societal issues. The special session focuses on societal issues which can be resolved with the use of AI.

SCOPE AND TOPICS

The special session aims to solicit original, full length original articles on new findings and developments from researchers, academicians and practitioners from industries, in the area of AI techniques and applications for societal benefits.

Topics to be discussed in this special session include (but are not limited to) the following:

- Knowledge Representation
- Machine Learning
- Deep Learning
- Agriculture domain
- E- Commerce
- E-Governance
- Healthcare Systems
- Community Welfare
- Bioinformatics
- Geoinformatics
- Natural Language Processing
- Human Centric Interaction
- Social Network Analysis
- Recommendation System
- AI and Public Policies
- Financial Analysis
- Image Recognition
- Medical Diagnosis
- Cyber Security

IMPRTANT DATES

Paper Submission: 15 August 2019

Paper Accept/Reject Notification 15 September 2019

Camera Ready Paper Submission 30 September 2019

Registration Opens 15 September 2019

Early Bird Registration closes 15 November 2019

SUBMISSION GUIDELINES

Please refer the following link for paper template, submission system and other process related to online paper submission.

<http://amlta.com/2020/author-guidelines/>