DoSCI-2023
International Conference/Doctoral Symposium on Computational Intelligence

Organized **by Institute of Engineering & Technology, a constituent college of Dr APJ Abdul Kalam Technical University Lucknow, India in association with University of Calabria, Italy**
03rd March 2023.

********** CALL FOR PAPERS **********

SPECIAL SESSION ON
Recent Advances in Natural Language Processing and Computer Vision Techniques

SESSION ORGANIZERS:
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EDITORIAL BOARD: (Optional)
[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:
The DoSCI-2023 Special Session on "Recent Advances in Natural Language Processing and Computer Vision Techniques" invites the submission of papers on substantial, original, and unpublished research on Natural Language Processing and Computer Vision. The Session will provide an excellent forum for exchanging knowledge and results in methodology and applications of Natural Language Processing and Computer Vision Techniques using Machine Learning and Deep Learning.

Natural Language Processing (NLP) originated by the intersection of artificial intelligence (AI) and linguistics was initially based on text mining tasks. NLP leverages scalable algorithms for processing enormous amounts of text generated from internet and social media. From text mining, NLP has changed significantly over time, currently, supporting numerous and diverse applications such as question answering, machine translation, etc.

Computer Vision is the subfield of AI that allows systems to extract significant information from digital images, videos, and several visual forms, and make decisions based on that information. Real-world applications reveal the significance of computer vision in sports, logistics, health, and daily life. The large amount of visual information generated from smartphones, CCTVs, and other visually instrumented devices is a significant factor in the expansion of Computer Vision applications.

RECOMMENDED TOPICS:

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

NATURAL LANGUAGE PROCESSING TRACK	COMPUTER VISION TRACK	MIXED TRACK
• **Deep Learning for NLP** • **Semantics** • **Sentiment Analysis** • **Information Extraction** • **Multilingual NLP** • **Transliteration** • **Summarization** • **Biomedical NLP** • **NLP Applications**	• **Deep Learning for CV** • **Object Recognition** • **Segmentation** • **Medical Vision** • **Motion and Tracking** • **Face and Gesture** • **Image Mining** • **Biomedical Imaging** • **CV Applications**	• **Pattern Recognition** • **Visual Description Generation** • **Visual Entailment** • **Visual Question Answering** • **Language to Vision Generation** • **Sign Language Recognition** • **Applications**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on "**Recent Advances in Natural Language Processing and Computer Vision Techniques**" ***on or before*** **30th November 2022**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://dosci-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify "**Recent Advances in Natural Language Processing and Computer Vision Techniques**" at the top (above paper title) of the first page of your paper.

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