International Conference on Computational Intelligence and Data Science (ICCIDS 2019)

6th-07th September 2019

PUBLICATION: All the accepted papers will be published in Procedia Computer Science Journal, Elsevier.

ICCIDS2019:
The International Conference on Computational Intelligence and Data Science (ICCIDS2019) provides an International forum for presentation of original research findings, as well as exchange and dissemination of innovative, practical development experiences in different fields of engineering. The conference draws researchers and application developers from a wide range of data mining and computational Intelligence related areas along with their algorithms and applications of current issues of almost all branches of Engineering and Technology.

Awareness of Data Science and its application is becoming popular among the general population. Parallel offers of hope add woes to the researchers of Data Science due to the potential limitations experienced in the real-time. This conference aimed to expand its coverage in the areas of Computational Intelligence and Data Science, where expert talks, young researchers presentations will be placed in every session of the meeting will be inspired and keep up your enthusiasm.

VENUE: The NorthCap University, Gurugram, India

JOURNAL INDEXING: SCOPUS

PUBLICATION POLICIES:
Kindly visit the conference website (http://iccids2019.ncuindia.edu/Paper-Submission) for details.

Session Title: Machine Learning in Visual Communication and Image Representation

Name(s): Dr. K.K.Singh and Dr. Akansha Singh,
Designation: Assoc. Prof.
Affiliation: GLBITM, Greater Noida/ Galgotias University, Greater Noida, India

Aims and Objective: This special session emphasizes the extent to which Machine Learning in Visual Communication & Image Representation can help specialists in understanding and analysing complex images. The field of visual communication and image representation is considered in its broadest sense and covers both digital and analog aspects as well as processing and communication in biological visual systems. It focuses on methodologies for extracting useful knowledge from images, and on the progress of diverse disciplines such as artificial intelligence, machine learning, medical imaging, and other related topics.

SCOPE: The scope is to establish an effective communication channel between researchers, developers and professionals from both academia and the industry so that they can report the latest scientific and theoretical advances in Visual Communication & Image Representation. It also aims to reveal useful information to specialists, allowing them to extract implicit knowledge,

uncover new relationships and the like which are not explicitly expressed in images. Developments in this field will help to intensify interdisciplinary discovery.

Topics of Interest:
- Image Segmentation
- Image Pre processing
- Image Classification
- Medical image and signal analysis
- Volumetric image analysis
- Data mining of biological databases
- Image indexing
- Image clustering
- Biomedical information retrieval
- Biomedical information extraction
- Relation extraction in biological databases
- Content-based image retrieval and image mining
- Semantic-based image mining
- Image mining in medical and healthcare informatics
- Pattern recognition techniques in the image mining environment
- Fractals and mathematical morphology
- Image understanding and scene analysis
- Deterministic and stochastic image modeling
- Visual data reduction and compression
- Image coding and video communication
- Local and global schemes of image representation
- Analog and digital image processing
- Biological and medical imaging
- Early processing in biological visual systems
- Feature extraction and selection from high dimension data