

**Special Session  
on**

**(“Emerging technologies on machine learning and optimized techniques”)**

**International Conference on Computational Intelligence and Data Science  
(ICCIDS 2018)**

<http://iccids2018.ncuindia.edu/>

**7-8<sup>th</sup> April, 2018**

**at**

**The NorthCap University, Gurugram**

**AIM:** We aim to provide a leading opportunity to researchers, academicians, and professionals from different background areas to exchange the latest research ideas and research and development on *emerging technologies on machine learning and optimized techniques*.

**SCOPE:** There are huge amounts of data generated and it contains various types of data. This huge data has evolved as a most challenging field of study and research area. It has drawn much attention during the last few years and influences our modern society business, government, healthcare and research in almost every discipline.

Existing approaches to data analysis mainly rely on traditional data mining techniques in which machine learning is explicitly expressed. Machine learning and optimization techniques are delivering a promising solution to the industry for data analysis systems and to make innovation at a rapid pace. This special session is integrating machine learning methods and advanced optimization opportunities to bring efficient data analysis services. Further, machine learning approaches had addressed various challenges of data science such as anomaly detection, multivariate analysis, streaming and visualization of data.

**Topics of Interest:** The topics of interest include but are not limited to:

- ❖ Probabilistic and statistical model and theory
- ❖ Learning theory
- ❖ Optimization methods
- ❖ Data compression and sampling
- ❖ Statistical learning
- ❖ Machine learning
- ❖ Evolutionary computation
- ❖ Deep Learning
- ❖ Modelling and simulation of mobile cloud computing application
- ❖ Cloudlet discovery in mobile cloud computing
- ❖ Learning Classifiers
- ❖ Parallel and distributed learning
- ❖ Scientific data and big data analysis
- ❖ Artificial intelligence
- ❖ Scalable analysis and learning
- ❖ Data pre-processing, sampling and reduction
- ❖ High directional data, future selection and future transformation
- ❖ High performance computing for data analytics
- ❖ Architecture, management and process for data science

**Important Dates:**

Extended date for submission: 30th January 2018

~~Last date for paper submission: 30th December 2017~~

Notification of Acceptance: 28th February 2018

Last date for camera ready paper: 10th March 2018

Author Registration Deadline: 15th March 2018

**All accepted papers will be published in Procedia Computer Science, Elsevier.**

**Notes for Prospective Authors:**

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. All papers are refereed through a peer review process. If you have any queries concerning this special session, please email the Dr. Rajkumar R at [vitrakumar@gmail.com](mailto:vitrakumar@gmail.com)

**Write Brief Biography of session Chair with photograph**

Rajkumar R has received his Master of Engineering degree in Computer Science and Engineering from the Vellore Institute of Technology, Vellore, India. He has received his Doctor of Philosophy degree in Computer Science and Engineering from the VIT University, Vellore, India. He is presently working as an Associate Professor in School of Computer Science and Engineering, VIT University, India. His areas of interest include Internet of Things (IOT), Machine Learning, Secure Mobile Cloud for Sharing Patients Healthcare Information and Medical Reports, Cloud patients Information Retrieval, Automatic Discharge Summary Reports, Mobile Learning and Big Data. He is a member of programme committee and technical committee of ACM and IEEE international conferences.