Special Session
on

("RECENT TREADS AND INNOVATION IN DATA SCIENCE AND MACHINE LEARNING THROUGH INTELLIGENT COMPUTING")

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

http://iccids2018.ncuindia.edu/

7-8th April, 2018

at

The NorthCap University, Gurugram

AIM: Data Science and Machine learning can be explained in simple terms as a new era of evolution inspired by the nature and delivers interesting results possessing promising applications in both scientific and technological fields. Data Science and Machine learning are the vast and robust subject with its evolution still on the go making it the hot subject, which is to be observed extensively to form the foundation of unequivocal requirements.
In recent years, "Data Science and Machine learning" has become a new ubiquitous term. Data Science and Machine learning are transforming science, engineering, medicine, healthcare, finance, business, and ultimately our society itself.

SCOPE: It is to bridge the gap between industry and academia and to provide a common platform to researchers, academician and industry experts to impart their specialized knowledge and experience particularly in the area of Data Science, Predictive Analytics, Decision Making, Big Data and Decision Support System. This session will also provide a forum to national and international practitioners to share their ideas, findings in the area of Computational Intelligence and Machine Learning, Opinion Mining, and cloud computing.

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

Machine Learning and Data Computing

- Machine Learning, Computer Vision, Data Mining, Deep Learning, Big Data analysis and Management, Data Analytics, Knowledge Representation and Reasoning, Pattern Recognition, Clustering and Classification, Deep Learning, Big Data Networking Technologies, Data warehouse and applications, Graph-based Data Analysis, Intelligent Control System, Cloud as a Service, Cloud Infrastructure, Cloud Management, Cloud Security, Cloud Applications, Cloud Computing Technologies, Grid Computing, Cluster computing.

Data Communication and Networking

- Ad hoc and wireless sensors network, Cross-layer Solutions, Delay tolerant network, Mobile computing, Internet and web applications, Wireless security system, Intrusion detection systems, RFID systems, Mobile Communication standards, Cognitive radio applications and spectrum

management, Interoperability of heterogeneous wireless networks of different standards, IP multimedia subsystems (IMS), Network architectures and protocols, Radio transmission technologies, RFID networks and protocols, Wireless intelligent networks.

Smart devices and Intelligent Control

- Wearable Devices, Pervasive/ubiquitous computing and systems, Nano Devices, Single Electron, Spintronics Devices, CMOS, MEMS, NEMS, Bio-inspired computing, Organic-Devices, Molecular devices, Carbon nano tubes, Graphene, Embedded and real-time software, VLSI and Embedded Systems, FPGA, Quantum Computing, Digital System & Logic Design, Human Machine Interface, Image and Video Processing, Machine Vision, Speech & Natural Language Processing, Quantum Computing, Parallel and Distributed Computing, Medical Imaging, Reconfigurable Computing Systems, Biometrics, Genetic Algorithm, Machine Learning in control applications, Soft Computing, Neural Networks based control systems, Robot Design ,Development & Control, Human Machine interface, Intelligent control & Intelligent system, Mechatronics & Robotics, Industrial Automation, Nanotechnology and Advance Manufacturing, Non conventional and renewable energy sources, Network Security & privacy policies, Computation in emerging computer system, Software development for mobile devices, Information & System Security, Neural Network, Virtual Reality & Web Crawlers, Data management for ubiquitous computing, Visual representation of dynamic social networks, Trust networks and evolution, Misbehavior detection in communities, Multi- agent based social network modeling and analysis.

Advance Research and Innovation and Usage of IoT

- Smart Grids, Smart Agriculture and Farming, Smart Cities, Advance Manufacturing, Smart Textiles, Augmented and Virtual Reality Interactions, 3D Printing, Smart Water, Smart Healthcare, Management of Emergencies, Retail Management, Logistics management, Industrial Management, Digital Health and Telemedicine, IoT programming toolkits and frameworks, Ubiquitous computing, Ambient Intelligence Sensor Networks and Embedded System, IoT protocols and Transports, Security for IoT, Wearable Devices, Smart city theory modeling and simulation, Policies for smart urban design , Socio-technical challenges in smart city development, Enablers and drivers for smart cities, Public private partnership (3P) model for smart city, Energy efficiency for smart cities, Education and skill development, Management and operation of the smart city, Smart people and communities, Capacity building through smart and open governance, Technologies integration and network capabilities, Smart and sustainable transport system, Cloud solutions for smart cities, Role of big data analysis in smart city , Smart and green building technologies, Smart solutions for special needs people, Urban Entrepreneurships and challenges, Smart manufacturing and logistics, Smart environment and pollution control, Platforms for smart government, Anywhere, anytime access to data, Digitalization of civic services, Data and Information infrastructure modeling, Efficient emergency responses, Security and public safety in smart cities, Smart healthcare system, Innovative agriculture process, Future challenges in smart cities

The conference proceedings will be published in Procedia Computer Science Journal, Elsevier.

Paper Submission Guidelines

GENERAL INFORMATION

The Original unpublished Research Papers, Articles & Working papers having maximum length 10 pages on the topics related to the theme are invited for presentation/publication in the conference proceedings.

(1) Kindly ensure that your paper is formatted as per Procedia Computer Science Journal, Elsevier Template (***not exceeding 10 pages***). Please refer the Procedia template for preparation of your paper. **Procedia template word Procedia template latex**
(2) All papers must be submitted online via easychair submission portal at link https://easychair.org/conferences/?conf=iccids2018 .
(3) All submissions will be thoroughly peer-reviewed by experts based on originality, significance and clarity.
(4) Only papers presenting original content with novel research results or successful innovative applications will be considered for publication in the conference proceedings.

PLAGIARISM POLICY

(1) The paper prior to submission should be checked for plagiarism from licensed plagiarism softwares like Turnitin/iAuthenticate etc. The similarity content should not exceed 20% (***in any case either self contents or others***). Further, you have to strictly implement the following ethical guidelines for publication:
(2) Any form of self-plagiarism or plagiarism from others' work(s) should not be there in an article. If any model / concept / figure / table / data / conclusive comment by any previously published work is used in your article, you should properly cite a reference to the original work.
(3) Also language of explaining it should not be same as language of the work from which you have adopted it. If you are using any copyrighted material, you should acquire prior permission from the copyright holder.

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. Kamlesh Sharma at kamlesh0581@gmail.com and Madhulika at madhulikabhatia@gmail.com .

Session Chair:- Dr. Kamlesh Sharma, Associate Professor, Manav Rachna International University, Faridabad.

Co-Chair:- Dr. Madhulika, Associate Professor, Manav Rachna International University, Faridabad.

Co-Chair:- Ms. Madhurima, Assistant Professor, Amity University

Co-Chair:- Ms. Shristy Jindal, , Manav Rachna International University, Faridabad.

Dr. Kamlesh Sharma is currently working as a Associate Professor, MRIU, Faridabad, India (more than 12 years teaching experience).MCA, M. Tech from MDU University and Ph. D. in Computer Science and Engineering from Lingaya`s University, India. She is Supervising 2 Ph. D. scholars. Supervised and Guided research projects of M. Tech, B.Tech and application based projects for different competitions. She is also associated with two research projects related to health recommender system and NLP. Her research area “Natural Language Processing” is based on innovative idea of reducing the mechanized efforts and adapting the software to Hindi dialect. Adopted innovative teaching methodology like role play, case studies, simulation, presentations, live projects, smart classrooms technologies and combined these with regular lecture method to make the overall teaching learning process more effective.