

1st International Conference on Applied Mathematics, Modeling and Simulation in Engineering AMSE-2021

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Stanley College of Engineering & Technology for Women, Hyderabad, India

15-16 Sept. 2021

SPECIAL SESSION

ON

*Emerging Areas in Artificial Intelligence, Data Sciences and Internet of Things (IoT)
(ADIoT)*

Theme of the Session:

The main aim of this special session is to concentrate on Emerging Areas in Artificial Intelligence, Data Sciences and Internet of Things (IoT). Artificial Intelligence is a major step forward in how computer system adapts, evolves and learns. It has widespread application in almost every industry and is considered to be a big technological shift, similar in scale to past events such as the industrial revolution, the computer age, and the smart phone revolution. The objective of Data Sciences is to impart necessary knowledge of the mathematical foundations needed for data science and develop programming skills required to build data science applications. The objective of Internet of Things (IoT) is to impart necessary and practical knowledge of components of Internet of Things and develop skills required to build real-life IoT based projects.

Scope and Interest:

- AI Search Algorithms, Probabilistic Reasoning, Markov Decision process, Reinforcement Learning
- Data Science, Big data, Visualizing Data, Cleaning and Munging, Manipulating Data, Rescaling, Dimensionality Reduction, Machine Learning - Supervised, Unsupervised, Reinforced learning, Neural Networks-Learning and Generalization, Deep Learning & Data Science Applications - Weather forecasting, Stock market prediction, Object recognition, Real Time Sentiment Analysis etc.
- IoT Applications, Role of Cloud in IoT, Security aspects in IoT, Computing (Arduino, Raspberry Pi), Programming API's (using Python/Node.js/Arduino) for Communication Protocols, IoT Application Development and IoT Case Studies- Industrial automation, Transportation, Agriculture, Healthcare, Home Automation etc.

Publication:

All accepted and registered papers of this special session will be published in “**IOP Science: Journal of Physics Conference Series (JPCS)**”.

Indexing: The proceedings are indexed in *Scopus and Web of Science*

Fee

Academicians

Early Registration: Rs. 6500

Late registration: Rs. 7500

Important Dates:

Last date for Paper Submission: **01 July 2021**

Submission Procedure:

Submission Link

<https://easychair.org/my/conference?conf=amse2021>

Manuscript guidelines

<https://publishingsupport.iopscience.iop.org/author-guidelines-for-conference-proceedings/>

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