

**1st International Conference on Applied Mathematics, Modeling and Simulation in Engineering
Stanley College of Engineering and Technology for Women, Abids**

Hyderabad, India, September 15-16, 2021

**Special Session on Advances in semiconductor devices, IoT Applications and Artificial Intelligence
Concepts**

Theme of the Session:

This conference is a forum for researchers and designers to present and discuss various aspects of VLSI design, EDA, embedded systems, and enabling technologies. Recently, deep learning is influencing not only the technology itself but also our everyday lives. Formerly, most AI functionalities and applications were centralized on datacentres. However, the primary platform for AI has recently shifted to on-devices. With the increasing demand on edge, mobile and IoT AI, conventional hardware solutions face their ordeal because of their low energy efficiency on such power hungry applications. The program will consist of regular paper sessions, special sessions, embedded tutorials, panel discussions, design contest, industrial exhibits and tutorials. This is the premier conference/exhibition in this area in India, attracting designers, EDA professionals, and EDA tool users. The program committee for the conference has a significant representation from the EDA research community and a large fraction of the papers published in this conference are EDA-related.

Topics of Interest:

1. Analog Mixed-Signal, Sensors and RF
2. VLSI Circuits and SoC Design
3. Embedded Systems Design & Software
4. CAD Tools and Methodologies for Digital IC Design & Optimization
5. Verification, Modeling and Prototyping
6. Design for Testability, Reliability and Fault Tolerance
7. Hardware Security
8. Emerging Technologies and New Computing Paradigms
9. Deep learning
10. Machine learning
11. Artificial Intelligence

Important Dates

Last date for paper submission 01, July 2021

Last date for acceptance 15, July 2021

Registration commencing 01, July 2021

Conference dates 15 – 16, September 2021

Submission Procedure:

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

Session Chairs:

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