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The IEEE Computer Society Technical Committee on VLSI

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IEEE iSES 2021

The primary objective of **IEEE-iSES** is to provide a platform for both hardware and software researchers to interact under one umbrella for further development of smart electronic systems. Symposium addresses key technologies and enabling technologies for Smart Systems as well as solutions for Energy, agriculture, health, biomedical, industry, housing, sustainability, social cohesion and mobility. The smart systems entail architectures, systems software and algorithms as key technologies. Nonetheless, other technologies such as internet, data analytics, security, cognitive science join as enabling technologies. Smart systems adapt to changing conditions such as context, application and may possess own awareness and cater to the needs of efficient sensing, storage, software and computing. Big data which are large, complex data sets, are now a part of the Internet world. Storing and processing needs of the enormous amount of structured and unstructured data are getting increasingly challenging. At the same time, Internet of Things (IoT) and cyber-physical systems (CPS) have been evolving with simultaneous development of hardware and software and span across everyday consumer electronics. The performance and efficiency of the various generations of computing and information processing systems are dependent upon advances in both hardware and software.

IEEE-iSES is a sponsored meeting of Technical Committee on VLSI, IEEE-CS that endorses a league of successful meetings including ASAP, ISVLSI, and ARITH, are now presented as "Sister Conferences".

CONTRIBUTIONS ARE SOUGHT IN THE FOLLOWING AREAS:
- ► Nanoelectronic VLSI and Sensor Systems (NVS)
- ► Energy-Efficient, Reliable VLSI Systems (ERS)
- ► Hardware/Software for Internet of Things and Consumer Electronics (IoT)
- ► Hardware for Secure Information Processing (SIP)
- ► Hardware/Software for AI, Robotics, and Automation (AIR)
- ► Hardware/Software for Vehicular Intelligent Systems (VIS)

IEEE-iSES technical program will include contributed papers and contributions from invited speakers. IEEE-iSES 2021 will have **pre-conference-tutorials, keynote addresses, plenary talks, tutorials, technical sessions, special sessions, expert panels, research demo session (RDS) and a student research forum (SRF)**.

Several student travel and best paper awards will be available just like each year.

PAPER SUBMISSION DEADLINES:
Submission (hard deadline) : June 28, 2021
Acceptance : Sep 15, 2021
Final Version: Sep 30, 2021

IEEE-iSES proceedings will be published by IEEE-CS conference publications services (CPS). Authors should submit their original unpublished work of maximum 6 pages using IEEE-CS double-column conference format-template. Manuscripts in PDF format with author information (optional) should be submitted using the link: https://edas.info/N28177. Selected papers from IEEE-iSES 2021 program will be invited for submission to **special issues of peer-reviewed journals as has been done in the past**.

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