



We cordially invite you to the

***Conference on
Electronic Systems
2017***

on Friday 23rd June 2017

9.30 am - 5.30 pm

at DESE, IISc, Bangalore



Department of Electronic Systems Engineering
Indian Institute of Science, Bangalore 560 012

9.30 – 9.35 Inauguration and Welcome Address

Session: Circuits and Systems

- 9.35 – 9.47 Technology for Indian sign language recognition
- 9.47 – 9.59 Energy harvester integrated smart switch applications
- 9.59 – 10.11 Next gen 3ph grid connected inverter
- 10.11 – 10.23 FHIR compliant healthcare system

Session: Networks

- 10.25 – 10.37 Enterprise network monitoring and security
- 10.37 – 10.49 Multi-packet reception in wireless networks
- 10.49 – 11.01 Secure communication and dynamic firewall architecture for IoT applications

11.01 – 11.20 Coffee-Break

Session: Control and Robotics

- 11.20 – 11.32 Upper limb robotic exoskeleton for Brachial Plexus injury patients
- 11.32 – 11.44 Autonomous wheelchair
- 11.44 – 11.56 Collision Avoidance and localization using TOF camera
- 11.56 – 12.08 An end to end Tactile Cyber Physical System design

Session: Devices and FPGA Enabled Systems

- 12.10 – 12.22 A RISC-V ISA Compatible Processor IP for SoC
- 12.22 – 12.34 Re-configurable co-processor for CNN training
- 12.34 – 12.46 RF, microwave or mm-wave radar and associated circuit design on a chip
- 12.46 – 12.58 Multi-source energy harvesting platform chip based system

1.00 – 2.00 Lunch

9.30 - 5.30 : Product exposition in respective labs