

IEEE SPICES 2017
8-10 August 2017
Kerala, India

Website: ieee-spices.org



The Second International Conference on “Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES 2017)” by IEEE Kerala Section is to be held at Kollam, Kerala, India. It is expected to be a platform for technical exchange amongst researchers from academia, research laboratories, and industries in various emerging fields of Signal Processing, Communication, Computer Science, Power Systems, Power Electronics, Electric Drives, Instrumentation and Control Systems spanning across five tracks. The technical program includes keynote speeches, plenary talks, regular technical sessions, and special sessions.

The two special sessions on Biomedical Signal Processing and Intelligent grid from Green Energy will be consisting of Panel Discussions, Project Exhibits and Research Forums.

The conference is being organized in five tracks. Topics of interest include, but not limited to, the following:

Communication & Networking	Signal Processing
Antennas and Propagation Cross-layer designs Cognitive radio systems and networking Distributed resource allocation and scheduling Estimation Theory Mobile ad-hoc networks Modulation, Coding and Diversity Multicarrier communication systems Next generation networking and wireless systems Routing protocols and QoS scheduling Cooperative communications Secure communications and Cryptography Space time coding, MIMO and Adaptive antennas Underwater wireless communications Green telecommunications Information theory on energy efficiency Smart Grid Protocols protocol extensions for energy efficient networks Network load balance and smart information storage Energy-efficient networking	Audio, Speech, Image & Video signal processing Signal processing for communications Sparse signal processing Human-computer interfaces Remote sensing Array processing Multidimensional signal processing Wavelets and Filter banks VLSI signal processing systems Non-linear and Biomedical signal processing Learning theory and Pattern recognition Image processing Sensors and sensing techniques

Cross-layer optimizations to minimize energy consumption on a network scale Industrial electronics.	
Power Systems & Power Electronics	Instrumentation & Control
Distributed Generation, microgrid and smart grid Hybrid Renewable sources Power system modelling and simulation Power system planning and operation Power quality and FACTS technologies Energy conversion techniques Power electronics and Industrial Drives Modelling, Simulation and Control of Power converters Power converters for Renewable energy systems Power semiconductor switches and soft switching Hybrid Electric Vehicles	Adaptive/Robust systems and control Aerospace / Flight control and Surveillance systems Biomedical instrumentation and control Emerging control theory and applications Hybrid systems Intelligent control and instrumentation Process control and industrial automation Robotics and Automation Sensors and Instrumentation systems Artificial intelligent and optimization systems Bringing Big data to its knees by Deep learning techniques
Computing & Big Data	
Algorithmic information theory Computability theory Cryptography & Information security Theory of computation Analysis of algorithms Mathematical logic and Formal languages Compilers Programming languages Operating systems Database systems Computer architecture & Networks	Big data Data mining Artificial intelligence Natural language processing Computer vision Cloud computing Distributed computing Bioinformatics Semantic web Software engineering Web technologies E-Learning and E-Governance

IMPORTANT DATES:

Paper submission : **April 15, 2017**

Paper Acceptance notification: **June 15, 2017**

Camera-ready papers: **July 15, 2017**

All papers should be submitted through EDAS conference management system.

Details of paper submission are available at <http://www.ieee-spices.org>