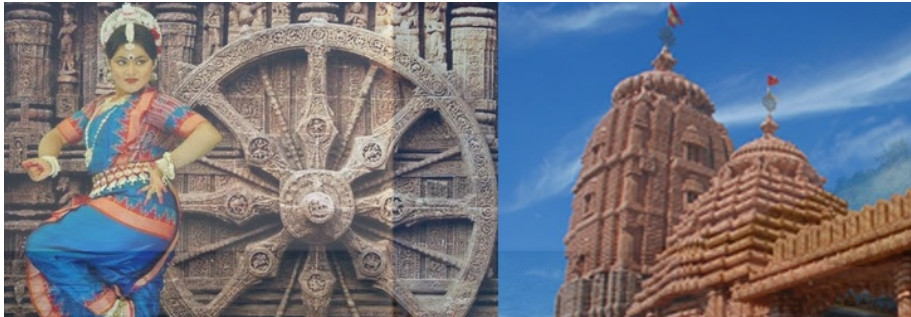




**IEEE 2nd International conference
on
“Applied Electromagnetics, Signal Processing &
Communication”**

**AESPC-2021
26 - 28 November, 2021
<http://aespc.kiit.ac.in>**



Hosted by
**School of Electronics Engineering,
KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)
Deemed to be University Bhubaneswar, Odisha, India.**

Technically Co-Sponsors
**By IEEE Kolkata Section & IEEE Bhubaneswar Sub-Section
Conference Record Number:52704**

CALL FOR PAPERS

This International Conference on Applied Electromagnetics, Signal Processing & Communication (AESPC-2021), is dedicated to advanced research in the areas of microwave as well as antenna engineering, signal processing and communication. The conference aims at bringing together the researchers, scientists, engineers and research scholars from all areas of engineering and technology, to provide an international forum to exchange their ideas, foster collaboration, practical developments experiences and cover new grounds. The conference will feature invited talks by eminent researchers from around the world, technical paper sessions, poster sessions, demos, tutorials and workshops. **Accepted and presented papers in this conference will be published in IEEE Xplore subjected to the approval of IEEE USA HQ.** Prospective authors are encouraged to submit their original research contributions in IEEE format. Papers submitted to AESPC 2021 should contain original research/study and should not have been published or submitted for publication elsewhere. The IEEE anti-plagiarism policy is applicable to all submissions. At least one author of each accepted paper must register for the conference and present his/her paper.

TRACK 1 (APPLIED ELECTROMAGNETICS) Antenna Theory & Technique, UWB Antenna, Radar and Satellite Antennas, RF & Microwave Communication, Microwave Filters, Oscillator and Amplifiers, Terahertz System, RF Nanotechnology, Microwave Application in Defence and Satellite, Metamaterials, EBG, FSS applications in Antenna and Microwave, Bio-Electromagnetics, Microwave imaging and Diagnostics, RF antennas for space Technology.

TRACK-II (SIGNAL PROCESSING) Image & Video Signal Processing, Medical Imaging, DSP Algorithms & Architectures, Pattern Analysis & Classification, Large Dimensional Signal Processing, Compressive Sensing, Statistical Signal Processing, Signal processing for Big data, Adaptive Signal Processing, Biomedical/Genomic Signal& Image Processing, Geophysical / Radar / Sonar/Optical/ Smart Sensor Signal Processing, Image, Audio & Video Processing Techniques, Compression & Coding, Multidimensional and Multimodal Signal Processing, Multirate Signal Processing, Non Stationary, Non Linear and Non Gaussian Signal Processing, Sensor Array and Multi-channel Signal Processing, Signal Processing in Encrypted Domain, Signal Processing in Network Analysis and VLSI Architectures, Signal Detection and Spectrum Estimation, Signal Processing using Chaos, Fractals and Soliton.

TRACK-III (COMMUNICATION) Communication Theory; Systems and Networks; Information Theory & Coding; Wireless Mobile & Vehicular Communication; Satellite Communication, Telecommunication networks; Cooperative, device to device and multi-hop Communication; Green Communication, Cognitive Radio, Optical Communications & Networks; Cognitive Radio, Cooperative Communication; 4G, 5G communication and beyond: Design, analysis and optimization; MIMO, Massive MIMO and Cloud RAN; Channel Modelling characterization and estimation; Modulation, coding Diversity, equalization, and synchronization; Smart grid communication; IoT Networks.

TRACK IV (VLSI, Devises, Circuits & Embedded Systems) Analog/Digital and Mixed Signal Circuits and Systems; Low power Circuits and Systems, MEMS; Device Technology, Modelling and Simulation; Devices and Circuits for RF Communication; VLSI for Biomedical Signal Processing.

TRACK V (Electrical, Control & Instrumentation) Power Electronics and converters; Electric Machines and Drives; Renewable energy sources – Grid integration and Standalone operation;

Instrumentation and Measurements; Energy storage systems and control; Fault tolerant and diagnostic techniques; Control Systems for power Electronics/Power System applications; Soft Computing and Optimization Techniques for Power Electronics/Power Systems; Signal processing for Power Electronics/Power Systems; High Voltage Engineering, FACTS and Power Quality; Active and Passive devices for Power Electronics.

PAPER SUBMISSION SYSTEM:



<https://easychair.org/conferences/?conf=aespc2021>

Submit the original unpublished research work in IEEE format.

IMPORTANT DATES:

Paper submission deadline	: 30 th July 2021
Acceptance Notification	: 15 th September 2021
Camera ready Version submission	: 30 th September 2021
Last date of Registration	: 15 th October 2021
Date of Conference	: 26-28 th November 2021

REGISTRATION FEES

(For Indian Nationality)

Industry Member	: 8000
Professional / Academic Author (IEEE Member)	: 6000
(Non IEEE Member)	: 7000
Student Author (IEEE Member)	: 3000
(Non IEEE Member)	: 4000

(For Foreign Nationality)

Industry Member	: USD 300
Professional / Academic Author (IEEE Member)	: USD 200
(Non IEEE Member)	: USD 300
Student Author (IEEE Member)	: USD 100
(Non IEEE Member)	: USD 200

ADVISORY COMMITTEE

INTERNATIONAL ADVISORY COMMITTEE

Ajay K. Poddar, IEEE Fellow, USA

Goutam Chattopadhyaya, Nasa JPL, USA

Yahia M. Antar, IEEE APS President, USA

Dimitris Anagnostou, Heriot-Watt University, UK

Majid Mahmoud Khodier, Jordan University of Science and Technology, Irbid, Jordan

Laurent Artola, The French Aerospace Lab, Toulouse, France

Marko Topič, Faculty of Electrical Engineering

Christoforos G. Theodorou, France.

Eby G. Friedman, University of Rochester, New York USA

LU Yilong, Nanyang Technological University, Singapore

Tadashi Takano, Nihon University, Japan

NATIONAL ADVISORY COMMITTEE

Udaya Pratap Singh, Dean Research & Sr. Professor, KIIT, Bhubaneswar

Amlan Datta, KIIT Deemed to be University

Sudhansu Sekhar Singh, KIIT Deemed to be University

Nirmal Kumar Rout, Professor & Director(Student's Research), KIIT Deemed to be University

Surendra Pal, ISRO, Bangalore

Sivaji Chakrovarty, Former Chair, IEEE India Council

D. C. Pande, DRDO, Bangalore

B. Gupta, Jadavpur University

R.K. Mishra, Berhampur University

Arijit Majumder, SAMEER Kolkata

Girish Kumar, IIT Bombay

Debatosh Guha, IRPE, Kolkata

Ganapati Panda, IIT Bhubaneswar

K .P. Ray, DIAT PUNE

P. R. Sahu, IIT Bhubaneswar

Surya K. Pathak, IPR. Gandhi nagar

Satyajit Chakroborty, SAMEER, Kolkata,

Jawad Siddiqui, IRPE, Kolkata University

Jibendu Sekhar Roy, KIIT University, Bhubaneswar.

Susant Kumar Parui, IEST Shibpur, Kolkata
Bhagabat Panda, PMEC, Berhampur, Odisha.
Binod. Kumar Kanaujia, JNU Delhi
Mihir Narayan Mohanty, SOA University, Bhubaneswar
Gopinath Palai, GITA, Bhubaneswar.
K. K. Mohapatra, NIT Rourkela
P. K. Sahu, IIT Bhubaneswar
Sushmita Mitra, Chair, IEEE Kolkata Section
Srikant Pal, BIT Meshra,
K. J. Vinoy, IISC Bangalore
Debdeep Sarkar, IISC Bangalore,
Manoj Kumar Meshram, IIT(BHU),
Chandrakanta Kumar, ISRO Satellite Center, Bangalore
Dhurba C. Panda, Berhampur University
Atanu Kundu, Treasurer, IEEE Kolkata Section
Debangshu Dey, Secretary, IEEE Kolkata Section
Niladri Roy, Additional Director, ITR, Chandipore.
Balamati Choudhury, NAL(CSIR) Bengaluru

CHIEF PATRON

Dr. Achyuta Samanta, Founder, KIIT & KISS, Bhubaneswar

PATRON

Dr. H. K. Mohanty, Vice Chancellor, KIIT Deemed to be University, Bhubaneswar

Dr. S. Nanda, Head CIR, KIIT Deemed to be University, Bhubaneswar

Dr. Sasmita Samanta, Pro-Vice Chancellor, KIIT Deemed to be University, Bhubaneswar

Co-PATRON

Prof. Jnyana Ranjan Mohanty, Registrar, KIIT Deemed to be University

Mr. Puneet Mishra, ISRO Satellite Centre, Bangalore & Chair, IEEE Bangalore Section

Prof. A. K. Sen, Chairman, UG Programme, KIIT Deemed to be University

Prof. A. K. Ray, Director Academics, KIIT Deemed to be University

Prof. C. K. Panigrahi, Director Quality Assurance Cell, KIIT Deemed to be University

GENERAL CHAIR

Dr. Suprava Patnaik, Dean, School of Electronics Engineering, KIIT Deemed to be University

Dr. Shubhranshu R. Samantaray, Chair, IEEE Bhubaneswar Sub-Section.

CONFERENCE CHAIR

Sudhakar Sahu, KIIT Deemed to be University, Bhubaneswar

Koushik Dutta, Vice-Chair, IEEE AP/MTT Kolkata Chapter

TECHNICAL PROGRAM COMMITTEE

Amalendu Patnaik, Indian Institute of Technology(IIT), Roorkee, India(**Chair**)

Sarita Nanda, KIIT Deemed to be University(Co-Chair)

Jitendra Kumar Das, KIIT Deemed to be University(Co-Chair),

Debi Prosad Dogra, Vice - Chair, IEEE Bhubaneswar Sub-Section

Anupam Senapati, KIIT Deemed to be University

Ranjeeta Patel, KIIT Deemed to be University

Sasmita Pahadsingh, KIIT Deemed to be University

Satyajit Chakroborty, Ex-Chair, IEEE AP/MTT Kolkata Chapter

Praveena Patnaik, NIT Silchar

Atanu Kundu, Treasurer, IEEE Kolkata Section

Om Prakash Acharya, KIIT Deemed to be University

Swati Swayamsiddha, KIIT Deemed to be University

Akshaya Kumar Pati, KIIT Deemed to be University

Dr. Vimal Shrivastava, KIIT Deemed to be University

Dr. Sukanta Kumar Sabut, KIIT Deemed to be University, Bhubaneswar

Pradipta Dutta, KIIT Deemed to be University

Umesh Chandra Samal, KIIT Deemed to be University

Dr. Vikash Kumar Jha, KIIT Deemed to be University

Dr. Abhik Gorai, KIIT Deemed to be University

Dr. Tejaswini Kar, KIIT Deemed to be University

FINANCE, SPONSHORSHIP & EXHIBITION COMMITTEE

Jyoti Ranjan Panda(Chair), KIIT Deemed to be University

Abu Nasar Ghazali(Co-Chair), KIIT Deemed to be University

Sananda Kumar, KIIT Deemed to be University

Sunil Kumar Mishra, KIIT Deemed to be University

ELECTRONICS SUBMISSION,PUBLICATION COMMITTEE & WEBSITE

Amrit Mukherjee(Chair), KIIT Deemed to be University ,

Satyadeep Das(Co-Chair), VVDN Technologies, Bhubaneswar

Suman Roy, KIIT Deemed to be University

Sruti S. Singh, KIIT Deemed to be University

S P Kar, KIIT Deemed to be University

PUBLICITY CHAIR

Manoj Kumar Parida, KIIT Deemed to be University

Rasmita Lenka, KIIT Deemed to be University

Niten Kumar Panda, IEEE KIIT SB Chair, Bhubaneswar

Rasmita Lenka, KIIT Deemed to be University

INDUSTRY LIASON CHAIRS

Debi Prasad Dash(Chair) Scientist, IMMT Bhubaneswar

Arindam Basak(Co-Chair). KIIT Deemed to be University

EVENT MANAGEMENT COMMITTEE

Kanan Bala Ray(Chair), KIIT Deemed to be University

Straddhanjali Mohapatra(Co-Chair), KIIT Deemed to be University

Ganaraj P S, KIIT Deemed to be University,

Ujjwol Barman, KIIT Deemed to be University

KEY NOTE SPEAKERS, TUTORIAL & WORKSHOP COMMITTEE

Prasanta K. Patra(Chair), KIIT Deemed to be University

VVS Kumar, KIIT Deemed to be University

B. N. Rao, KIIT Deemed to be University

Subhashree Mishra, KIIT Deemed to be University

Debolina Deb, KIIT Deemed to be University

HOSPITALITY & TRAVELS COMMITTEE

Anupam Samui(Chair), KIIT Deemed to be University

Tirtha Majumdar, KIIT Deemed to be University

CONTACT DETAILS

Website: <http://aespc.kiit.ac.in>

Email: aespc.electronics@kiit.ac.in

Contact Persons:

Dr. Jyotiranjana Panda :+91 9178390355

Dr. Sudhakar Sahu :+91 9337404477.

