REGISTRATION DETAILS

Number of Seats (Tentative): 50 (on first come first basis)

Important Dates:
Early Bird Registration: **10 May 2018**
Late Registration: **20 May 2018**

Registration Fee: in INR
Students:
Early Bird: 5,000.00
Late   : 6,000.00
Faculty Members:
Early Bird: 7,000.00
Late   : 8,000.00
Industry Persons:
Early Bird: 10,000.00
Late   : 12,000.00

Registration Fee includes:
- Registration kit, Breakfast, Lunch and Dinner
- Complementary annual membership of ASSET to the students

Mode of Payments*

For Internet Banking User:

Bank Name/ Branch: State Bank of India/ BHU
IFSC Code: SBIN0000211
Account Name: Academic Society of Science Engineering and Technology
Account Number: 36113987377

For Non-internet Banking User

Demand Draft in Favour of 'Academic Society of Science Engineering and Technology' payable at 'SBI, BHU, Varanasi'.

*After completion of successful payment, kindly email your receipt of the payment or scanned copy of DD along with the registration form on email of the Course Coordinator.

ADDRESS FOR CORRESPONDENCE

Dr. Manoj Kumar Meshram
Associate Professor
Department of Electronics Engineering
IIT(BHU), Varanasi-221005, U.P.
Email: mkmeshram.ece@iitbhu.ac.in
Phone: +91-9450533003

THEME OF THE WORKSHOP

It gives an opportunity for participants from academic institution to get acquainted with design, simulation, fabrication, and measurement of microwave devices that includes microstrip patch antennas, reconfigurable antennas, filtering antennas, MIMO antennas, Leaky-wave antennas, Metamaterial based devices and antennas, etc. Furthermore, individual participants will be befitted with hands-on with ANSYS HFSS session followed by fabrication and measurements.

ABOUT THE ASSET

The **Academic Society of Science Engineering and Technology (ASSET)** is a Non Profit organization (NPO) truly dedicated for the academic interest of the scientific community. The main objectives of this society include to publish the academic Journals, conducting workshops, conferences, skill development program for the school children, young professionals, and women engineers/scientist, upliftment of under privileged section of the society, promotion of the research in the specific domain, interactive learning program for children, and MOOC (massive open online courses program).

ABOUT ANSYS HFSS

A high-performance full-wave electromagnetic (EM) field simulator for arbitrary 3D volumetric passive device modelling that takes advantage of the familiar Microsoft Windows graphical user interface. It integrates simulation, visualization, solid modelling, and automation in an easy-to-learn environment where solutions to your 3D EM problems are quickly and accurately obtained. Ansoft HFSS employs the Finite Element Method (FEM), adaptive meshing, and brilliant graphics to give you unparalleled performance and insight to all of your 3D EM problems. Ansys HFSS can be used to calculate parameters such as S-Parameters, Resonant Frequency, and Fields.

Workshop on Electromagnetics and Antenna Design (WEAD-2018)
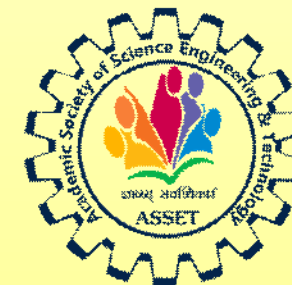
23-27 May, 2018

using
ANSYS HFSS

Course Coordinator
Dr. Manoj Kumar Meshram

Organised by

Department of Electronics Engineering
Indian Institute of Technology (BHU)
Varanasi

in Association with

Academic Society of Science Engineering and Technology (ASSET)
&
Entuple Technologies Pvt. Ltd.

Workshop on Electromagnetics and Antennas Design (WEAD-2018)
(23-27 May 2018)
Department of Electronics Engineering, IIT(BHU), Varanasi-221005

Name……………………………………………

Position…………………………………………….

Department…………………………………………

Institute/Organization……………………………

Address ……………………………………………

………………………………………………………..

Email: ………………………………………………

Mobile/Phone………………………………………

Payment Details:

Online payment Reference number/DD details

……………………………………………………
………………………………………...Date…………

Amount…………………………………………..

Signature of Applicant

Signature of Head
(Department/Head of the Institution/
Organization)

KEY TOPICS TO BE ADDRESSED

- Basic Electromagnetic Theory
- Boundary Conditions and Excitations
- Introduction to Computational Electromagnetics : FEM, MOM, FDTD, FEBI, MLFMM,
- HFSS Simulation Basics and Analysis Setup
- Optimetrics and Parametrics
- Reconfigurable Antennas
- MIMO Antennas
- Metamaterial Design and Analysis
- Radar Absorbing Material based on Metamaterial
- Leaky-wave Antennas
- Microwave Components

HANDS-ON SESSION

- Design, Simulation, and Characterization of Microstrip Patch Antenna,   Rectangular Waveguide, Horn Feed Reflector Antenna,
- Design, Simulation, and Characterization of Reconfigurable Antennas, MIMO Antennas, Leaky -wave Antennas
- Designer RF – HFSS Dynamic Linking   – Impedance Matching of an Antenna (HFSS + Designer)
- Design and Simulation of Microwave Components i.e., Couplers, Filters, etc.
- Design, Simulation, and Characterization of Metamaterial/Metasurfaces
- SAR Analysis
- Demonstration of Antenna/Device Fabrication using MITS PCB Prototyping Machine
- Demonstration of Measurement of S-parameters and Radiation Characteristics
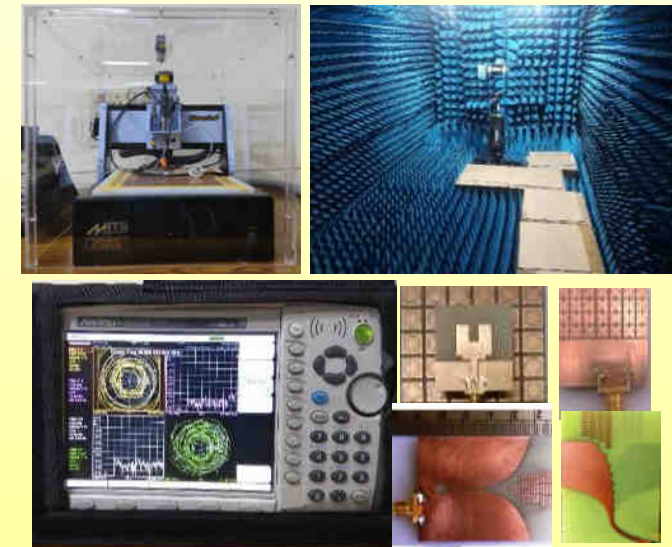
SPEAKERS:

- Faculty/domain experts from IIT(BHU), Entuple Technologies Pvt. Ltd. and Anritsu India Pvt. Ltd.

LOCATION

Varanasi Railway Station is well connected to almost all parts of the India. Also it is well connected via Air to Delhi, Mumbai, Kolkata, Hyderabad, and Bengaluru. There are frequent flight services from New Delhi. The Institute is located in the extreme south of the Varanasi city and about 7 km away from Varanasi Railway Station and 30 km from the Babatpur (Varanasi) airport. Taxis, Auto-rickshaws, are available as transport.

ACCOMMODATION

Limited shared accommodations in the guest house and hostels are available on personal payment basis. However, efforts will be made to book accommodation in the guest house/hostels on receipt of request from the participants by May 15, 2018.

Technically Sponsored by: