

REGISTRATION DETAILS

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

Important Dates:

Early Bird Registration : 5th February 2020

Late Registration : 15th February 2020

Registration Fee: in INR

Students:

UG students (Individual Registration)	: Rs 4,000
Group Registration (Three UG students)	: Rs 10,000
PG & Ph.D. students	: Rs 5,000
Late Registration	: Rs 6,000
IIIT A Participants	: Rs 1,000

Faculty Members:

Early Bird	: Rs 7,000
Late Registration	: Rs 8,000

Industry Persons:

Early Bird	: Rs 8,000
Late Registration	: Rs 9,000

Registration Fee includes:

Registration kit, Breakfast, Lunch and Dinner

Payments Details:

Name of Account: Indian Institute of Information Technology, Jhalwa Allahabad

Account No: 30996838478

Bank: State Bank of India Jhalwa, Prayagraj

IFSC Code: SBIN0010891

After successful payment, kindly send soft copy of your payment receipt along with the registration form on email-id of course coordinator.

ADDRESS FOR CORRESPONDENCE

Dr. Ashutosh Kumar Singh

Assistant Professor, Department of Electronics and Communication Engineering
IIIT, Allahabad-211015, UP.

Dr. Sanjai Singh

Associate Professor, Department of Electronics and Communication Engineering
IIIT, Allahabad-211015, UP.

Email: nwaat.iita2020@gmail.com

Mobile No: +917376598373, +919654840929

THEME OF THE WORKSHOP

It gives an opportunity for participants from academic institution to get familiar with design, simulation and measurement of reconfigurable antennas, DRA antenna, Smart Antennas etc. Moreover, individual participants will be benefited with hands on over HFSS and CST simulation tool with some measurement using VNA.

ABOUT HFSS AND CST

HFSS is 3D electromagnetic (EM) simulation software for designing and simulating high-frequency electronic products such as antennas, antenna arrays, RF or microwave components, high-speed interconnects, filters, connectors, IC packages and printed circuit boards. HFSS can be used to calculate high frequency parameters such as S-Parameters, Resonant Frequency and EM fields.

CST STUDIO SUITE is a software package which can simulate and solve all electromagnetic problems from Low frequency to Microwave as well as Optical, Thermal and some Mechanical problems. CST microwave studio can also be used to calculate parameters like S-Parameters, Resonant Frequency and fields.

Chief Patron:

Prof. P. Nagabhushan - Director, Indian Institute of Information Technology - Allahabad, Prayagraj, (U.P.) INDIA

Patrons:

Prof. U.S. Tiwary - Dean Human Affairs, IIIT-Allahabad, Prayagraj, India

Prof. Shekhar Verma - Dean IPR, IIIT Allahabad, Prayagraj, India

Prof. Tapobrata Lahiri - Dean Academics, IIIT Allahabad, Prayagraj, India

National Workshop on Advance Antenna Technology (NWAAT-2020)

18-22, March 2020

Using

HFSS and CST MICROWAVE STUDIO

Important Notice:

Candidates who have completed M. Tech. or in the final year of M. Tech. may present their M. Tech. work in the workshop before the expert committee. Expert committee may recommend them for admission in PhD course if find suitable.

Course Coordinators:

Dr. Ashutosh Kumar Singh

Dr. Sanjai Singh

Organised by

Department of Electronics and Communication
Engineering,
Indian Institute of Information Technology,
Allahabad, UP-211015.



National Workshop on Advanced Antenna Technology (NWAAT-2020) (18-22, March, 2020)

Department of Electronics and Communication Engineering,
IIIT, Allahabad, UP-211015

Name.....

Position.....

Department.....

Institute/Organization.....

Address

.....

Email:

Mobile/Phone.....

Payment Details:

Online payment Reference number/DD details

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.....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
- HFSS Simulation Basics and Analysis Setup
- CST Simulation Basics and Analysis Setup
- Reconfigurable Antennas
- Smart Antennas
- Smart Antenna in Mobile Networks
- Smart Antennas in WLAN
- Metamaterial Design and Analysis
- Dielectric Resonator Antenna
- RF Energy Harvesting

HANDS-ON SESSION

- Design, Simulation, and Characterization of Reconfigurable Antennas.
- Design, Simulation and Characterization of advanced (Smart) Antenna.
- Training on various Simulators like CST, HFSS.
- Design, Simulation, and Characterization of DRA antenna.
- SAR Analysis
- Demonstration of Measurement of S-parameters and Radiation Characteristics.

SPEAKERS:

Faculty/domain experts from IITs/NITs/IIITs and Some experts from industry domain.

1. Prof. S.P.Singh (IIT, Varaansi)
2. Prof. K.V.Srivastava (IIT, Kanpur)
3. Prof. Shekhar Verma (IIIT,Allahabad)
4. Dr. Somak Bhattacharyya (IIT, Varanasi)
5. Dr. Manoj Singh Parihar (IIITDM, Jabalpur)
6. Dr. Anand Sharma (MNNIT, Allahabad)

LOCATION

Allahabad Railway Station is well connected to almost all parts of the India. Also it is well connected via Air to Delhi, Mumbai, Bengaluru and Indore. The IIITA campus is located at Devghat Jhalwa (Peepalgaon Road), which is on the outskirts of Allahabad. It is 7 km from the main railway station and 10 km from the Allahabad airport. Taxis, Auto-rickshaws, are available as transport.

ACCOMMODATION

Limited shared accommodations in hostels and guest house are available on nominal payment basis. However, efforts will be made to book accommodation in the hostels/guest house on receipt of request from the participants by 13th March, 2020.

