COURSE OVERVIEW

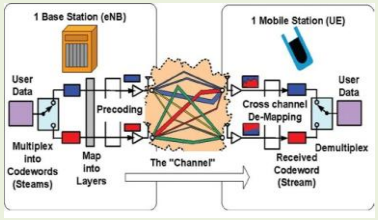
Due to the recent surge of interest in the next-generation of wireless technology implementation of high performance, low-cost and low-power transceivers has become an important research topic. This course would focus on Research Challenges and Opportunities in antenna design for increasing demands of high data rate, multiband, reconfigurable/wearable in next generation wireless and defense applications.

COURSE OBJECTIVES

- To discuss the design opportunities for DRA and reconfigurable antennas.
- To understand the design challenges for MIMO antennas in wireless communication.
- To understand the design of ultra wideband antennas for wireless applications.
- To present challenges in On-Chip antenna design and integration with RF receiver Front-End for 5G communication systems.
- To present comprehensive overview of antenna design solutions for high data rate communication.

ABOUT US

Established on 12th Aug. 1956, at Burla in the name of University College of Engineering (UCE), the first engineering college was functioning as a constituent college of Utkal University, Bhubaneswar. The Veer Surendra Sai University of Technology (VSSUT) Odisha was formed by converting UCE to a non-affiliating Unitary University and came into force in the year 2009 by issue of notification by the Industries Department, Government of Odisha. The University occupies nearly 300 acres of prime land in Burla. With a glorious history stretching back over 61 years, providing technical education within a modern educational environment and strong academic staff, VSSUT is identified with engineering education in India. The University has a strong alumni base, most of them occupying coveted positions in many educational, industrial and research organizations all over the world.



The Electronics and Telecommunication Engineering Department of VSSUT, BURLA offers an up-to-date 4 year B.Tech Degree course, 2 year M.Tech Degree course in Communication System Engineering, VLSI and Microwave Engineering and PhD in different specializations. The students graduated from this Department are well-placed in important National and International organizations.

TEQIP-III sponsored Online FDP on Research Challenges and Opportunities in Antenna Design (RCOAD-2020) 10.09.2020 to 14.09.2020

Coordinators

Dr. Debasis Mishra

Dr Ashish Kumar sharma

Organized by

Department of Electronics and Telecommunication Engineering
Veer Surendra Sai University of Technology, Burla Odisha
PIN768018

COURSE CONTENTS

- Reconfigurable Antennas
- Dielectric Resonator Antenna (DRA)
- Ultra wide Band Antennas
- Antenna for 5G Communication
- Antenna design for massive MIMO
- Small size antenna Design
- Wearable Antennas
- Antenna for IOT Application
- Electrically small antennas for wireless devices
- Metamaterials

INTENDED AUDIENCE

The course is designed primarily for faculty members to enhance their professional knowledge in the area of microwave, antenna and RF communication. Faculty members of Electronics/Electronics & Communication/ Electrical/ Electrical and Electronics and MSc (Electronics) would find this course extremely useful.

ELIGIBILITY

The course is open to all faculty members of Degree level AICTE recognized technical Colleges/ Institutions/ Universities.

REGISTRATION FEE

There is no Registration fee for participants. Selection of the participants will be based on first cum first serve.

Registration Link

https://forms.gle/8SJFdN3dMUZiLjPe7

SPEAKERS

1. Prof. R.K. Mishra, Berhampur University
2. Prof. Amalendu Patnaik, IIT Roorkee
3. Prof. Manoj Kumar Meshram, IIT BHU
4. Prof. Rowdra Ghatak, NIT Durgapur
5. Prof. G.K.Mahanti, NIT Durgapur
6. Prof. Navneet Gupta, BITS Pilani
7. Dr. Prasun Chongder, NIT Rourkela
8. Dr. Sujit Kr. Mandal NIT Durgapur
9. Dr. Biswajeet Mukherjee, IIITDM Jabalpur
10. Dr. Praveen Kumar AV, BITS Pilani

COURSE MATERIALS

The course materials, based on the lectures delivered by the eminent speakers shall be supplied to the participants.

CERTIFICATE

E-certificates: Issued to participants after successful completion of the course to all who join this FDP online at VSSUT Burla.

PATRON

Prof. Atal Chaudhuri
Hon'ble Vice Chancellor VSSUT Burla

CO-PATRON

Prof. Amarnath Nayak
Coordinator, TEQIP VSSUT Burla

ADVISORY COMMITEE

Prof. U.R. Jena Dean, CDCE
Prof. B.B. Pati, Dean Faculty & Planning
Prof. S.K. Swain, Dean Academic
Prof. P.C. Swain, Dean PGS & R
Prof. S.S. Das, Dean Students' Welfare
Prof. J.P. Panda, Dean SRIC

CHAIRMAN

Prof. Kabiraj Sethi
Head, Dept. of Electronics & Telecomm. Engg.

COORDINATORS

Dr. Debasis Mishra
Dr. Ashish Kumar Sharma

IMPORTANT DATES:

The last date for receipt of duly filled applications is up to 4 PM on 9.9.2020. Intimation of selection of candidature will be communicated through e-mail by 8. PM on 9.9.2020.

REACH US

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