

# A TEQIP Sponsored Workshop on Microwave and Antenna Techniques (23 - 27 June, 2014)



Organized by

Department of Electronics and Communication Engineering  
National Institute of Technology Durgapur

Website : [www.nitdgp.ac.in](http://www.nitdgp.ac.in)

**NO MORE STUDENT REGISTRATIONS ARE ACCEPTED**

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Prof. Rowdra Ghatak, NITD

Dr. Sujit Kr. Mandal, NITD

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Dr. S. Dhar Roy (ECE)

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Dr. A. Chandra

Mr. T. Sadhukhan (ECE)

Mr. A. Majumder (ECE)

#### Venue:

DM Sen Auditorium, NITD

#### Workshop Dates:

23 - 27 June, 2014

#### ABOUT THE WORKSHOP 'MAT 2014'

The inspiring experiment of Hertz in 1887 sparked the initiation in research in radio frequencies and a decade later the experiments of Sir J. C. Bose introduced the millimeter waves. The work of Marconi put wireless technologies as a definite branch with a key component being an Antenna having a history of more than hundred years. Over the years, there has been paradigm shift in the design approach to antenna and microwave circuits. A five day workshop in Microwave and Antenna Techniques (MAT) is being organized from **23<sup>rd</sup> June to 27<sup>th</sup> June, 2014** in the department of Electronics and Communication Engineering, National Institute of Technology, Durgapur (NITD) to disseminate the upcoming research which has influenced this shift in microwave and antenna design concepts. Academicians, scientists, research scholars and students are invited to attend the workshop to be hosted at the pristine campus of NITD. The workshop will consist of invited talks by eminent scientists and academicians of India covering a farrago of topics in microwave and antenna.

#### ABOUT THE INSTITUTE

National Institute of Technology Durgapur (NITD) is a leading technical institute offering undergraduate, postgraduate and doctoral programmes in various disciplines of engineering, technology, science, social science, computer application and management. The education system is holistic with equal importance being attached to all-round development of the students. NITD was established as a Regional Engineering College (REC) in 1960 as a joint venture of the Government of India and Government of West Bengal. REC Durgapur was converted to NIT Durgapur under the full administrative and financial control of the Ministry of Human Resource Development of Government of India with a Deemed University status on 3rd July, 2003. Subsequently NITD has been given the status of a University by the UGC Act. The Institute was declared an **Institute of National Importance** by the Government of India on August 15, 2007.

The city of Durgapur is recognized as one of the fastest developing Tier-II cities in the national scenarios. Durgapur is situated at a distance of about 180 KMs from Kolkata. It is located right on the major railway and expressway (NH-2) connecting Kolkata to Delhi and Durgapur can be reached from Kolkata (and vice versa) in ~ 2 hrs. 30 mins.

#### ABOUT THE DEPARTMENT

The Electronics and Communication Engineering course was initiated in 1983. In the early years the aim was in the development of a good infrastructural facility for teaching the B. E. course. After the formation of the new department in 1990 the development took a new turn. The department has been successfully running with two M. Tech courses in Telecommunication Engineering, and Microelectronics and VLSI. The faculties are actively involved in the research areas like application of evolutionary algorithm, VLSI, signal processing, Antenna, Microwave Circuits etc. A good number of Ph.D. degrees have been awarded under the supervision of the faculty members of the Department and a number of students are working at present for their Ph.D. degrees. Also, in every year a large number of UG and PG students attend and present their research papers in different national or international workshop / conference.

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## REGISTRATION FORM

TEQIP-II Sponsored One Week Workshop on

**Microwave and Antenna Techniques (MAT 2014),  
23 - 27 June, 2014**



**Dept. of ECE, National Institute of Technology,  
M.G. Avenue, Durgapur – 723109,  
West Bengal, India**

1. Name: \_\_\_\_\_
2. Designation & Affiliation: \_\_\_\_\_
3. Male/Female: \_\_\_\_\_
4. Mailing Address: \_\_\_\_\_
5. Telephone No.: \_\_\_\_\_ (M)
6. E-mail ID: \_\_\_\_\_
7. Registration fees: DD/Cheque No. \_\_\_\_\_  
Date \_\_\_\_\_ Amount \_\_\_\_\_  
**(DD/Cheque should be drawn in favour of  
"MAT 2014", payable at Durgapur.)**
8. Vegetarian / Non-Vegetarian: \_\_\_\_\_

*N.B.: Photocopy of this form may also be used for registration.*

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

.....  
Signature of the Applicant

Signature and Seal of the Head of the  
Department / Institute

### TOPICS TO BE COVERED

- Fundamental of Electromagnetics
- Microwave Circuits
- EMI and EMC
- Antenna Array Synthesis
- Computational Electromagnetics
- Multi-Band and Broadband Antenna
- Printed Antenna and Wearable Antenna
- Electromagnetic Simulation
- Electromagnetic Optimization

### RESOURCE PERSONS

The resource persons constitutes of scientist, experts, senior faculty members and various reputed guest speakers from different R&D organization, institutions and industries including DRDO, IIT's, C. U., Jadavpur, University, BESU, ISM Dhanbad and NIT Durgapur.

### WHO CAN ATTEND MAT-2014

MAT 2014 is aimed to attract and bring together Faculty Members, Scientists, Engineers, Technologists, limited number of Research Scholars and Students from Academic and Research Institutions and Industries. The participants will get new insights and knowledge about the topic through close interactions/discussions with the Scientists and Experts of the respective field during the lecture sessions as well as in some laboratory sessions.

### BOARDING & LODGING

Boarding, lodging and travel expenses shall be borne by the participants. Limited shared accommodations may be available in the Institute Guest House on first come first served basis. Several good hotels and lodges with reasonable price are available in around Durgapur. Participants may contact directly or through the coordinator(s) for their accommodation in Hotels. No TA/DA will be paid to the participants by NIT Durgapur.

### IMPORTANT DATES

Registration Open: April 15, 2014  
Deadline for Registration: May 30, 2014  
Deadline for sending registration form and fee: May 30, 2014.

### REGISTRATION FEES

- A. Industries: 5,000/-
- B. Faculty: Rs. 2,000/-
- C. Research Scholar: 1000/-
- D. Student: 500/-

Registration fee includes workshop kit, study / lecture materials, refreshment and lunch for 5 days during the course.

(Note: Each registration covers maximum one participant)

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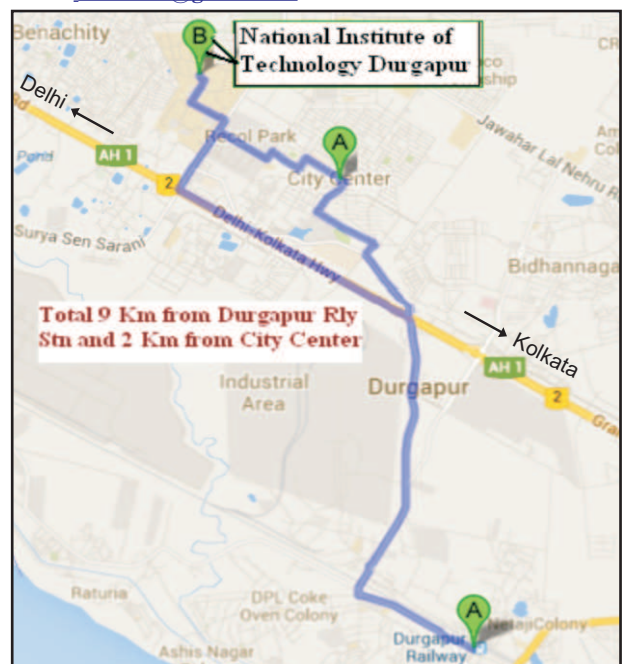
Please send the completed application form along with demand draft / Cheque drawn in favour of 'MAT 2014' payable at Durgapur, West Bengal, to the Coordinators on or before 30 May, 2014. The interested participant may also pay the registration fee by account transfer through NEFT. The account detail for that has been given below. Also send the scanned copy of the said documents by E-mail to [mat.nitd@gmail.com](mailto:mat.nitd@gmail.com).

### NEFT DETAIL

A/C No: 33798082877  
Beneficiary Name: MAT 2014  
Bank Name: State Bank of India  
Branch Name: R. E. College Durgapur (NIT Campus)  
Account Type: Savings  
IFSC: SBIN0002108

### CORRESPONDING ADDRESS & LOCATION

**Dr. S. K. Mandal / Dr. Rowdra Ghatak**  
Coordinator, MAT 2014  
Department of ECE,  
National Institute of Technology Durgapur  
M. G. Avenue, Durgapur - 713 209  
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