

## REGISTRATION FORM

Name:

Qualification:

Specialization:

Designation:

Organization:

Contact Address:

Email ID:

Mobile Number:

Date:

Signature:

Kindly send the payment proof and filled registration form by mail to the mail id.

**cadofmic@gmail.com**

### Coordinator:

Prof. S. Raghavan, ECE, NIT Trichy.

Computer Support: Dr. M. Bhaskar  
Professor, ECE, NIT Trichy.

### Co-coordinators:

Arvind Kumar, Sr. Research Scholar

Prof. Murugeswari B,

HOD-ECE, K. Ramakrishnan College of  
Engineering, Trichy

Ananya Parameswaran, Sr. Research  
Scholar

Divya Chaturvedi, Sr. Research Scholar  
Dr. Samson Daniel

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Krushna Kanth V, Research Scholar

Ananda Reddy M, Research Scholar

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# Workshop on CAD of Microwave Integrated Circuits (MIC)

**June 9-10, 2018**

### Important Dates:

Last date for registration: **June 6, 2018**

Intimation by email: **June 7, 2018**

Organized by:

The Department of Electronics &  
Communication Engineering

National Institute of Technology

Tiruchirappalli

Tiruchirappalli-15

### Resource persons:

Dr. Girish Kumar, Professor, IIT Bombay

Dr. S. Raghavan, Professor, NIT-T

Dr. P. Muthuchidambaramathan, Professor, NIT-T

Dr. D. Sriram Kumar, Professor, NIT-T

Dr. Suganthi, Professor, Christ University, Bangalore

Dr.R. Pandeewari, Professor, NIT-T

Mr.S. Purushothaman, Scientist Engineer -E, ISRO  
Bangalore

RESEARCH SCHOLARS NIT-T-Domain  
Experts.

The National Institute of Technology Tiruchirappalli, NIRF-2018 first amongst NITs, was started in 1964. The Electronics and Communication Engineering (ECE) Department was established in the year 1968. The department offers UG, PG, M.S. & Ph.D. degree programs in the ECE. The present H.O.D. is Dr. G. Lakshmi Narayanan.

### Highlights of the Workshop:

The objective of the course is to impart in-depth knowledge in the Computer-aided design of Microwave components including antennae through the conventional coding (MATLAB). The highlight of the workshop is to compare the joy and originality of getting the solution through conventional coding with that of commercial software tools (ADS, HFSS, CST MWS, COMSOL, etc.). Each has got its own exclusive merits and demerits. The demonstrations will speak of the above claim.

### Eligibility:

The programme is open to the Research Scholars, UG, PG, faculty members, and Industry persons, to get exposed to the state-of-the-art design of MICs.

### Registration Fee:

Participants Fees: **Rs.1000/-**

Participants from Industry: **Rs.3000/-**

Participants are requested to pay the registration fees by NEFT transfer only, the details are as follows:

**Account Name: Electronics Communication Engineering Association**

**Account Number: 10023883609**

**IFSC Code: SBIN0001617**

**Branch: SBI, NIT, Tiruchirappalli.**

**Account type: Savings Account**

### Note:

Accommodation shall be borne by the participants on their own. No TA/DA will be provided. Workshop kit, certificate, snacks and lunch will be provided.

### Topics to be Covered:

- Planar antenna design concepts –Do's and Don'ts  
**Prof. Girish Kumar**
- Design essentials of planar transmission lines-Nomogram using Matlab  
**Prof. S. Raghavan**
- Electromagnetics-Interesting facts  
**Prof. P. Muthuchidambaramanathan**
- Metamaterial unit cell design through Matlab  
**Prof. D. Sriram Kumar**
- Fractal Antenna Design using Matlab  
**Prof. Suganthi**
- Metamaterial Antenna Design through Matlab  
**Prof. Pandeewari R and Samson Daniel**
- Antenna Measurement Techniques.  
**Purushothaman S**
- SIW Filter Design using Coupling Matrix  
**Ananya Parameswaran**
- M.I.C Filter Design using GUI  
**Praveena N**
- Method of Moments (MoM) using Matlab  
**Ananda Reddy M**
- Frequency selective surfaces  
**Krushna Kanth**
- SIW CP Antenna  
**Arvind Kumar**
- SIW miniaturization Techniques  
**Divya Chaturvedi**
- SIW antennas  
**Prof. Murugeshwari B**
- SIW Phase Shifter Design  
**Avanika**
- (SIW) ANN using Matlab  
**Anil**
- Session for participants-if interested, may give demo for 10 minutes on CAD of MICs. But prior intimation is required.

### The Core Team



“SEEING IS BELIEVING”

