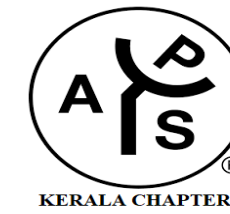




**TEQIP – III Sponsored
International Conference on
Microwave Integrated Circuits, Photonics and Wireless Networks
(IMICPW-2019)**



2-Days Workshop on ADS and EMPro Software

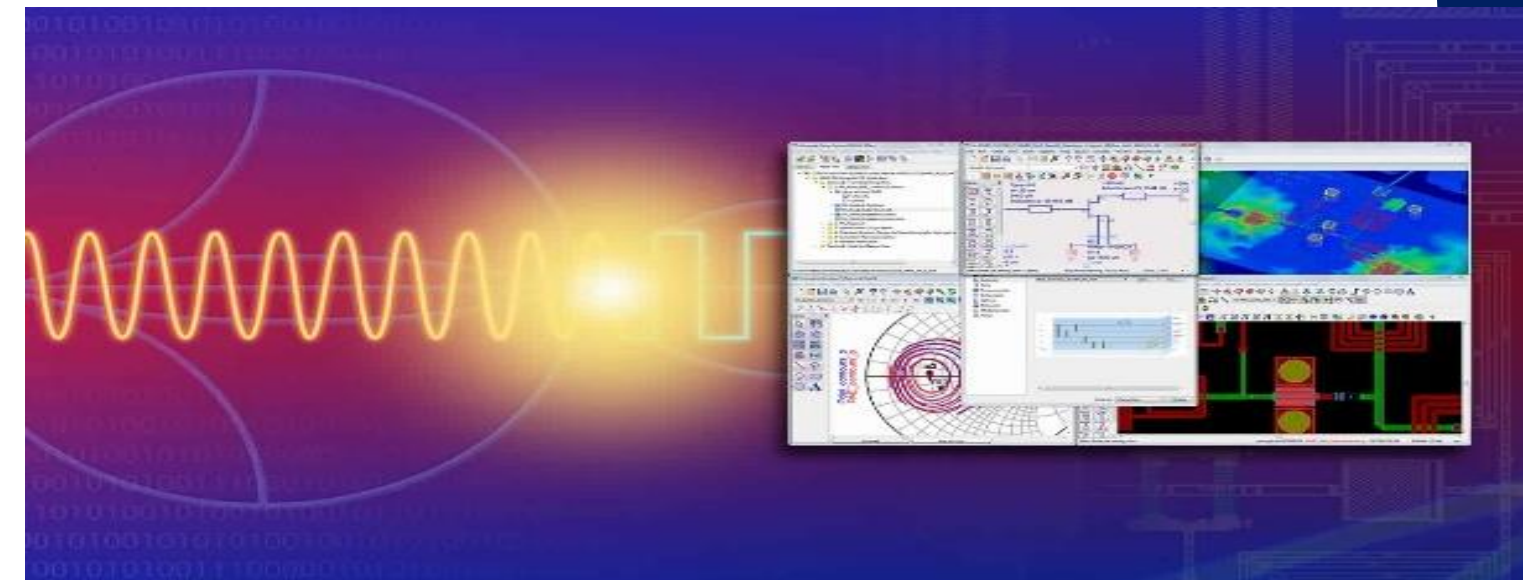
The Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli is organising a two day hands on workshop on ADS software as part of IMICPW 2019. The Agilent ADS and EMPro tool is a standard tool for Microwave and RF Integrated circuit design. The main aim of the workshop is to introduce the advanced features of the design software such as ADS and EMPro to undergraduate, graduate and aspiring research scholars in the field of electronics and communication and thereby, enabling the participants to utilize the ADS and EMpro software for designing their own MICs/RFICs. The exposure to advanced circuit designing softwares are necessary to enable the circuit designer to build cutting edge technologies in the future. The programme schedule is given below. We encourage your participation.

Day 1

- Introduction to ADS and it's various simulators.
- ADS design flow.
DC characteristics of MOSFET.
- Current Mirrors to OpAmps using AC simulations.
- CMOS Logic Gates and Transient Simulations.

Day 2

- Introduction to Method of Moment and FEM.
- Transmission Line design using Line Calc and simulation using Momentum.
- On chip Passives- Inductor and capacitor design and modeling.
- Rectangular Patch antenna design and simulation using MoM and FEM.
- S- parameter simulation and matching using Smith Chart.



- Dates** - May, 23 – 24, 2019
- Time** - 9:00 A.M – 5:00 P.M
- Place** - Department of ECE, Silver Jubilee Building
- Prerequisite** - Basics of MOSFET, RLC Circuits, Smith Chart
- Registration Form** - Refer the given link below
- Registration Fee** - Rs. 2000/-
- Fee Payment Link** - <http://imicpw.nitt.edu/download/ADS-Workshop-Reg.pdf>

Seats limited to 50.
Registration closes on May 18, 2019, 23:59 hours.
visit :

Experts:

Dr. S. Raghavan, Professor (HAG), ECE, NIT, Tiruchirappalli

Mr. Anurag Nigam,

Dr. M. Bhaskar, Professor, ECE, NIT, Tiruchirappalli (Logistics)

Mrs. Anandhimeena, Senior Research Scholar, Anna University

For Details contact: Mrs. Archana, Research Scholar, archa.vrindavan@gmail.com