



Organizes

Three Day Workshop
on

MEMS DESIGN, TECHNOLOGY & APPLICATIONS (MDTA-2011)

4-6 November, 2011



Organized by

MEMS R&D Lab
Department of Electronics & Communication Engineering
Kurukshetra Institute of Technology & Management
KURUKSHETRA

www.kitm.in

Aim: The aim of the workshop is to impart knowledge of MEMS Design & Fabrication to faculty members and post graduate students of engineering colleges and enabling them to consider this field for higher studies as well as for their career prospects.

Three Day Workshop on MEMS DESIGN, TECHNOLOGY & APPLICATIONS 4-6 November, 2011 REGISTRATION FORM

Name:.....
Designation:.....
Department:.....
Qualification:.....
Experience(in years):
Teaching:.....
Industry:.....
Organization:.....
.....
Accommodation required: YES/NO
Mailing Address:.....
.....
Telephone (with code)
(Office):.....
Mobile:.....
Email:.....
DD No: Date:.....
Amount:..... Bank:.....
(DD should be drawn in favor of Director, KITM,
KURUKSHETRA)

Date: _____ Signature _____

Accommodation can be arranged, on request, in our college (Boys Hostel and Girls Hostel) at nominal cost

- **Patron**
Sh. Satyapal Aggarwal
Chairman, KITM, Kurukshetra
- **Organizing Committee**
Prof. P.J. George (Chairman)
Dr. Anil Arora (Convener)
Er. Paras Chawla(Co-Convener)
Dr. Aarti Arora (Secretary)
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Er. Vijender
- **Distinguished Speakers**
Prof. Vinay Gupta, Delhi University, Delhi
Prof. Rajesh Khanna, Thapar University
Prof. Dinesh Aggarwal, Director, UIET, KKR
Dr. Anurekha Sharma, Kurukshetra Univ.
Dr. Manish Hooda, Scientist, SCL, Mohali
Prof. P.J. George, KITM, Kurukshetra
- **Registration Deadline**
31 October, 2011
- **Registration Fee**
For Students: ₹ 500/-
For Others: ₹ 750/-
- **Maximum No. of participants: 22**
- **For more details, contact:**
Dr. Aarti Arora
Department of Electronics & Communication
Engineering, Kurukshetra Institute of Technology
& Management, KURUKSHETRA
Phone: 01741-283841; **Mobile:** 9996485675
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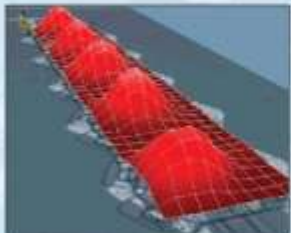
About the Workshop

Micro Electro Mechanical Systems (MEMS) is the integration of mechanical elements, sensors, actuators and electronics on a common silicon substrate through micro fabrication technology. This system promises to revolutionize nearly every product category by bringing together silicon based microelectronics with micromachining technology, making possible the realization of complete systems-on-a-chip. Owing to its numerous applications, simulation of these devices plays an indispensable role in the field. As fabrication techniques are expensive and time consuming, MEMS simulation tools give optimized parameters and realize devices virtually.

The workshop is aimed at exposing the participants to the various aspects of MEMS Design, Simulation and Fabrication.

Objectives

- Invited Lectures from distinguished speakers
- Introduction to MEMS Design tools, i.e., COMSOL, INTELLISUITE, COVENTORWARE & HFSS
- Hands-on-training



About College

KITM is established in 2007 by Shanti Devi Education Trust with a defined agenda to provide quality engineering and management education. One of the emphases of KITM is on grooming core faculty by providing opportunities to update their knowledge and skills through research activities. These teachers impart training to students so that they become competent and motivated engineers and scientists.

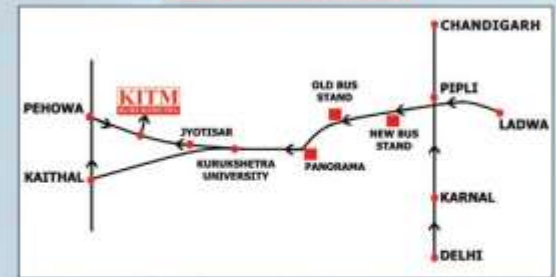
KITM has got the privilege of being one of the participating institute with National Program on Micro and Smart Systems (NPMSS) under the aegis of Department of Electronic Science, Kurukshetra University, Kurukshetra. B. Tech. students are working on tools as a part of their project work. The institute has been awarded another major project by Naval Physical Oceanographic Laboratory (NPOL), Kochi, a lab of Defense Research and Development Organization (DRDO) for designing a 'Capacitive Micromachined Ultrasonic Transducer (CMUT)' for detecting underwater objects for Indian navy. Similarly, work is in progress on RF MEMS switch design using another tool, COVENTORWARE, in collaboration with Thapar University.

Participants

The workshop is open to faculty of engineering colleges, research scholars and PG students of Electronics and Communication Engg., Electrical and Electronics Engg., Instrumentation Engg. and Mechanical Engg.



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Registration Deadline

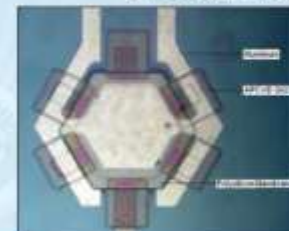
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DISTINGUISHED SPEAKERS

Prof. Vinay Gupta
Delhi University, DELHI

Prof. Rajesh Khanna
Thapar University, PATIALA

Prof. Dinesh Aggarwal
Director, UIET, KKR

Dr. Anurekha Sharma
Kurukshetra University, KKR

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TECHNICAL ADVISORY COMMITTEE

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