

Refresher Programme

“RECENT TRENDS IN MEMS, POWER SOURCES AND ELECTRONIC PACKAGING”

On

25th June to 30th June 2018

Sponsored by

All India Council of Technical Education

&

Indian Society of Technical Education

Organized by

Department of Electronics and
Telecommunication Engineering

All India Shri Shivaji Memorial Society's,
Institute Of Information Technology, Pune

Technically Supported by

Centre for Materials for Electronics Technology,
Pune

Institute of Smart Structures and Systems
(ISSS)

PROGRAMME SCHEDULE

Day 1: MEMS Technology (25/06/2018)	
Registration and Tea - Breakfast (9.00 - 10.00 am)	
Session 1: (10.00am - 10.45am)	Inaugural Ceremony & Keynote Address
Session 2: (10.45am - 12.15 pm)	Basics of MEMS Technology Prof. (Ms) S. A Gangal Emeritus Professor, Dept. of Electronic Science, SPPU

Lunch Break (12.15pm - 1pm)	
Session 3: (1.00pm - 2.30 pm)	RF MEMS Prof. (Ms) S. A Gangal Emeritus Professor, Dept. of Electronic Science, SPPU
Tea Break (2.30pm - 2.45pm)	
Session 4: (2.45pm - 4.15pm)	Miniaturized planar antenna for compact electronics systems Dr K P Ray, Professor, Dept. of Electronics Engineering, DIAT, Pune.
Day 2 : MEMS and Micro Fabrication (26/06/2018)	
Session 1: (9.00am - 10.30am)	Photonics, Optoelectronics Sensors and Applications Prof. A. D. Shaligram, Head, Dept. of Electronic Science, SPPU
Tea - Breakfast (10.30 - 10.45am)	
Session 2: (10.45am - 12.15 pm)	Pattern Recognition in Sensor Instrumentation Prof. Damayanti Gharpure, Dept. of Electronic Science, SPPU
Lunch Break (12.15pm - 1pm)	
Session 3: (1.00pm - 2.30 pm)	Structural MEMS and Applications Mr. Jaising Pednekar (R & D E (Engg), Pune.
Tea Break (2.30pm - 2.45pm)	
Session 4: (2.45pm - 4.15pm)	Electronics Packaging Overview Dr Girish Phatak, C-MET, Pune
Day 3: Micro fluidics, Nano & Battery Technologies (27/06/2018)	
Session 1: (9.00am - 10.30am)	Micro fluidics Dr. Dhananjay Bodas, Agharkar Research Institute, Pune
Tea - Breakfast (10.30 - 10.45am)	
Session 2: (10.45am - 12.15 pm)	Plasma Techniques for Nano Materials Dr Tanay Seth, C-MET, Pune
Lunch Break (12.15pm - 1pm)	
Session 3: (1.00pm - 2.30 pm)	Nanotechnology for drug delivery Dr. (Ms) Tejashree Bhawe, Dept. of Applied Physics, DIAT
Tea Break (2.30pm - 2.45pm)	
Session 4: (2.45pm - 4.15pm)	Strategies for Li-ion Batteries Dr. B. B. Kale, Director, C-MET, Pune
Day 4: Nano Composites, Solar Cells and Electronics	

Packaging (28/06/2018)	
Session 1: (9.00am - 10.30am)	Polymer Nano Composites and Batteries Dr. Milind Kulkarni, C-MET, Pune
Tea - Breakfast (10.30 - 10.45am)	
Session 2: (10.45am - 12.15 pm)	Solar Cells Prof. S. R. Jadhkar Dept. of Physics, SPPU
Lunch Break (12.15pm - 1pm)	
Session 3: (1.00pm - 2.30 pm)	Nano Composites for Optical devices Dr. B. B. Kale, Director, C-MET, Pune
Tea Break (2.30pm - 2.45pm)	
Session 4: (2.45pm - 4.15pm)	Multichip modules and LTCC Dr. Girish Phatak, C-MET, Pune
Day 5: Field Visit (C-MET) (29/06/2018)	
Tea - Breakfast (9.00 - 10.00 am)	
Departure at 10.00 am for field visit which provides exposure to participants to build hands-on learning opportunities, built around clear learning objectives.	
Day 6: Advanced Electronics Packaging (30/06/2018)	
Session 1: (9.00am - 10.30am)	Materials for Integrated Passive Components in LTCC Dr. Girish Phatak, C-MET, Pune
Tea - Breakfast (10.30 - 10.45am)	
Session 2: (10.45am - 12.15 pm)	Advanced Electronics Packaging Strategies Dr. Girish Phatak, C-MET, Pune
Lunch Break (12.15pm - 1pm)	
Session 3: (1.00pm - 2.30 pm)	Interconnects and Solder bumping Dr. (Ms) Shany Joseph, C-MET, Pune
Tea Break (2.30pm - 2.45pm)	
Session 4: (2.45pm - 4.15pm)	Mr. Ramesh Singh IIT Bombay
Session 5: (4.30pm - 5.30pm)	Participants Assessment on topics covered in refresher programme (Test Score : 50 Marks, Time: 1hr)