

## ABOUT SOLAPUR UNIVERSITY

Solapur University was established in the year 2004 by the Government of Maharashtra State. It is young University with jurisdiction of only one district and has made substantial progress in academics and research within a span of only twelve years. University has seven schools offering postgraduate courses in almost twenty subjects. University has made a vibrant progress in research in the frontier areas of Physical, Chemical, Computational, Earth and Social Sciences. With this background, Solapur University caters the needs of over 100,000 students' community. The university is poised for an ambitious growth and is becoming a hub of various academic activities. A Good number of Engineering, Agricultural, Architectural, Medical and Traditional subject institutions of national repute are located in and around the city. Solapur district borders with Andhra Pradesh & Karnataka State, is secular and yet rural culture to its core. This background makes the University to stand for transcendent principles embodying the noble mission, having progressive and forward-looking educational institute of eminence. The Solapur University is a citadel of higher education and learning. Recently University has decided to bring its various departments as the centres of higher learning with super specializations in the fields and working under a common interdisciplinary umbrella of the various schools.

## INTERNATIONAL ADVISORY COMMITTEE

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3. Prof. A. Kumar, Director, I.I.Sc.,Bangalore.
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21. Prof.Golap Kalita, Nagoya Institute of Technology, Japan.

- 22.Dr.T.Tan, CEO, QUEST, Singapore.
- 23.Prof.Tri Adino, Insti. of Technology, Bandung, Indonesia
- 24.Prof. V. Ramgopal Rao, Director, I.I.T, Delhi.
- 25.Prof.W.N.Gade,Vice Chancellor, SP Pune University, Pune.

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1. Prof.Amir Azam,AMU,Aligarh.
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3. Prof. Anurekha Sharma, Kurukshetra University,Thanesar.
4. Prof.B.N.Jagtap, BARC, Mumbai.
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10. Prof.M.Sharon, Director, MONAD, Pvt Ltd, Mumbai.
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12. Prof.P.Sen, JNU, New Delhi.
13. Prof.Sanjay Deshmukh, VC-Mumbai University.
14. Prof.S.C.Gadkari, BARC,Mumbai.
15. Prof.S.S.Islam,JMI University, New Delhi.
16. Prof.S.Usha,CMTI,Bangalore.
17. Dr. V. Ganesan, Director,IUAC,Indore.
18. Prof S. Panda, IIT-Kanpur
19. Prof.V.K.Jain, Amity University,Noida
20. Dr,V.Mohanan, Scientist ,NCL,Pune
21. D. Das, CMD, ECIL Hyderabad

## ORGANISING COMMITTEE

### Patron

#### **Prof. N. N. Maldar**

Vice-Chancellor, Solapur University, Solapur.

#### **Prof. Sandeep Sancheti**

President, Manipal University Jaipur

#### **Prof. Santanu Chaudhury**

Director, CSIR-CEERI, Pilani

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Prof. N.N. Sharma, Manipal University Jaipur

Prof. Jamil Akhtar, CSIR-CEERI, Pilani

### Finance Chair

Prof. S. S. Suryavanshi & Dr.A.A.Ghanwat

Solapur University, Solapur

Dr. Ajay Agarwal, CSIR-CEERI, Pilani

## 3<sup>rd</sup> International Conference on Emerging Technologies: Micro to Nano (ETMN-2017),

Solapur, India.

October 06-07, 2017



Jointly Organized By

Solapur University, Solapur

Manipal University, Jaipur

CSIR-CEERI, Pilani

## ADDRESS FOR CORRSPONDANCE

Prof. V.B.Patil,  
Organizing Secretary, ETMN-2017,  
School of Physical Sciences,  
Solapur University, Solapur-413255,  
M.S.,India.  
Email:etmn2017sus@gmail.com  
Tel: +91217-2744770\*202/145.

## ABOUT THE CONFERENCE

ETMN-2017 is intended to provide a common platform for knowledge dissemination for researchers, academicians, practitioners and industrialists across the globe working in the Nanotechnology and MEMS areas. ETMN-2017 is; in continuation of a second conference ETMN 2015; to bring scientist and technology developers in the field of micro and nano domains on one platform to disseminate and discuss the challenges in these size domains. Future challenges of food, energy, water, presumably nanotechnology and Microelectromechanical Systems (MEMS) will be dominating new frontiers of technology to solve these extraordinary problems. These emerging technologies indispensable for developing adaptable man-machine interface, equipment and artificial organs for life support, are going to be technical revolutions in all prevailing science and engineering fields. The sharing of knowledge and dissemination of state of art is the need and key to efficient and optimal advancement in these areas.

## SCOPE OF THE SYMPOSIUM

The conference will cover broad areas of topics relating to Nanomaterial's on

- Flexible Semiconductors
- Organic/Inorganic nanocomposites
- Nano magnetics and Spintronics
- Energy Harvesting
- Nano Antennas and Communication
- Terra hertz Devices
- Smart Sensors and Transducers
- Single Molecule Science & Technology
- Nanomaterial's
- Nanophotonics/Nano photovoltaics
- Nanobioscience
- Microsensor/Nanosensor
- Micro/Nanoelectronics and
- Bio-MEMS
- Micro/Nanofluidics
- Wireless Sensing Networks

## CALL FOR ABSTRACTS

One-page abstract in word format should be sent by 30<sup>th</sup> June 2017 to [etmn2017sus@gmail.com](mailto:etmn2017sus@gmail.com). Abstract book will be published with invited speaker's notes. Format for Abstract and registration form are available on the website <http://www.sus.ac.in/etmn2017>

## Technical Chair

Prof. P. Prabhakar & Prof. R.S. Hegadi  
Solapur University, Solapur  
Dr. Anil Kumar, CSIR-CEERI, Pilani  
Dr. Ram Dayal, Manipal University, Jaipur

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Solapur University, Solapur  
Dr. R. Mukhiya, CSIR-CEERI, Pilani

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Prof. V.B. Ghute & Dr. R. B. Bhosale  
Solapur University, Solapur  
Dr. Jitendra Singh, CSIR-CEERI, Pilani

## Organizing Chair

Prof. V. B. Patil, Solapur University, Solapur  
Dr. Rishi Sharma, CSIR-CEERI, Pilani

## Vendors & Industry Chair

Mr. D. Ramareddy, JMD, M/s Balaji Amines, Solapur  
Dr. G. Aren, CEO, M/s Macwin India, Delhi

## IMPORTANT DATES

**First Announcement:** 20<sup>th</sup> April 2017  
**Last date of Manuscript:** 01<sup>st</sup> Aug 2017  
**Acceptance:** 10<sup>th</sup> Sept 2017  
**Early Bird Registration:** 20<sup>th</sup> Sept 2017  
**Program Announcement:** 25<sup>th</sup> Sept 2017

## REGISTRATION

Category	Indian	International
Student /Research Scholar	Rs.3000/*4000	US\$-200/*250
Faculty/Academia	Rs.4000 /*5000	US\$-400/*500
Industry Person	Rs.7000 /*9000	US\$-600/*700
Accompanying Person	Rs.2000 /*2500	US\$-150/*100

Registration fees include conference kit, breakfast, working lunch and conference dinner.

\*Indicates late registration fee up to Conference desk.

Registration fees should be paid/ transferred through NEFT/Online banking/Wire transfer systems. The bank details are:  
**Bank Name: Central Bank of India, Br- Kondi, Solapur, M.S. India.**  
**A/C No.-3155870169, IFSC Code: CBIN0282815,**  
**Swift Code: CBININBBPOO.**

After transfer of registration fees, the payment slip should be attached with the registration form.

## ABOUT SOLAPUR

Solapur an ancient historical and religious place with Shri Sidharameshwar as its Gramdevata, is a historical important since the 12<sup>th</sup> century. The presiding deity of Maharashtra, **Lord Vitthal** is located at a distance of 70 kms (Pandharpur) from Solapur. **Swami Samarth** of Akkalkot has followers from all walks of life and a famous religious place, **Tuljapur**, is just 43 kms from Solapur.



Solapur is famous as a textile Manchester especially, owing to its talented weaver's community and is an important railway junction on the North-South train line. Solapur is one of the important "Smart Cities" of India & a city of labour. Solapur is transport hub connecting Maharashtra, Karnataka and Telangana and is well connected by road and rail to major districts and cities in India. A historical famous, Golghumbaj at Bijapur is 100kms from Solapur. Solapur has a rich market of Chaddar, Handlum Turkish towel and beddi industries. In October the average temperature of solapur is around 34<sup>o</sup>C with a pleasant shade of arrival of winter.

The co-organising Institutes MUJ and CSIR-CEERI are situated in the north western part of India in Jaipur and Pilani respectively. MUJ is an eminent private university while CEERI is one of the 38 R&D laboratories under CSIR New Delhi.





## 3<sup>rd</sup> International Conference on Emerging Technologies: Micro to Nano ETMN – 2017 (6<sup>th</sup> – 7<sup>th</sup> October 2017)

Organized By: Solapur University, Solapur; Manipal University, Jaipur; CSIR-CEERI, Pilani

### IMPORTANT DATES:

**First Announcement:** 20<sup>th</sup> April 2017

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Jamil Akhtar, CSIR-CEERI, Pilani

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Ajay Agarwal, CSIR-CEERI, Pilani

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P. Prabhakar & R.S. Hegadi

Solapur University, Solapur

Ram Dayal, Manipal University Jaipur

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#### Vendor & Industry Chair

D. Ram Reddy, JMD, M/s Balaji Amines, Solapur

G. Aren, CEO, M/s Macwin India, Delhi

### KEYNOTE SPEAKERS:

**Prof. Igor A. Platonov**

SNRU Samara, Russia

**Prof. Toshiyuki Tsuchiyam**

Kyoto University, Japan

**Prof. Ahmed Lakhssassi**

Université du Québec en Outaouais, Canada

**Dr. Golap Kalita**

Nagoya Institute of Technology, Japan

ETMN-2017 is intended to provide a common platform for knowledge dissemination for researchers, academicians, practitioners and industries across the globe working in Nanotechnology and MEMS areas.

The conference speakers will include keynote addresses, Invited Talks by eminent people in the field and technical papers.

#### The theme areas for the conference are (although not limited to):

- Micro/Nano-materials
- Micro-Optics & Nanophotonics
- Nano Photovoltaics & Energy Harvesting
- Nanobioscience
- Bio-MEMS/NEMS
- Micro-/Nano-Sensors & Fluidics
- Micro-/Nano-electronics
- Smart Wireless Sensing Networks
- Flexible Electronics/Sensors
- Organic / Inorganic Nano composites
- Nano Antennas and Communication
- Vacuum Micro & Nanoelectronics
- Single Molecule Science and Technology
- Spintronics
- Smart biomimetic sensors

### CONFERENCE VENUE:

SOLAPUR UNIVERSITY, SOLAPUR,  
MAHARASHTRA, INDIA

ETMN 2017 is an attempt in continuation of earlier conferences; ETMN 2013 & ETMN 2015 to bring scientists and technology developers in the field of micro and nano domains on one platform to disseminate and discuss the challenges in these size domains, debate technology limitations and to showcase the possible roadmap ahead.

Future beckons mankind with extraordinary challenges/demand of food, energy and water, and presumably Nanotechnology and Micro-Electro-Mechanical Systems (MEMS) will be dominating new frontiers of technology to solve these extraordinary problems.

These emerging technologies, indispensable for developing adaptable man-machine interface, equipment and artificial organs for life support, are going to be another technical revolution in all pervading science and engineering fields. The sharing of knowledge and dissemination of state-of-the-arts are the need and key to efficient and optimal advancement in these areas. The conference will bring together the academicians, researchers, industrialists, peers and resources with the objective of mutual benefits.