Registration Form

SMART – RTI , Sept. 2017

Name (CAPITALS):

Organization:

Designation:

Address for communication:

Mob. No.:
E-mail:

Highest academic qualification:
Experience (Years)

A) **Teaching:**
B) **Industrial:**

Accommodation required (Yes/No):
Willing to give presentation (Yes/No):
Payment Details (Bank address, code, phone no.)

RTGS :
D.D.:

Amount:

Amount in words:

Please register me for the STC on SMART – RTI , Sept. 2017 to be held during 4 to 11 September, 2017 at IIT (BHU), Varanasi.

Date:
Place:

Signature of the Applicant

Fees

Participant Type	Before Aug., 15, 2017	After Aug., 15, 2017
Industries, R&D Organization, Others	15,000	20,000
Faculty	10,000	12,000
Students outside IIT (BHU)	6,000	8,000
Students of IIT (BHU)	4,000	6,000

Fees include:
Course material in soft copy, course kit (bag, writing pad, pen, pencil etc.), Accommodation (subject to availability), breakfast, lunch and coffee during course hours, dinner for all days, one day industry visit, participation certificate

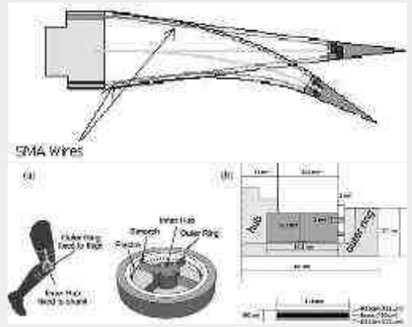
Registration procedure:
The registration fee is to be paid in the form of either Demand Draft (D. D.)/Cheque or through account transfer. Registration fee or proof of fee payment along with completed registration form is to be sent to "**Dr. Nilanjan Mallik, Course co-ordinator, STC on SMART – RTI , Sept. 2017, Department of Mechanical Engineering, IIT (BHU), Varanasi – 221005, Uttar Pradesh, India".** The scanned copy of the two are also to be sent to the e-mail id: nmallik.mec@iitbhu.ac.in
Account transfer:
Account Name: SMART-RTI,Sept.2017, Account No.: 37006822761, Account type: Current,
Bank: State Bank of India, Branch: IT-BHU, Branch code: 11445, IFSC code: SBIN0011445
D.D.:
In favour of: SMART-RTI,Sept.2017, Payable at: IT-BHU Branch, SBI, Varanasi
D.D./Cheque should be sent to
Dr. Nilanjan Mallik
Course co-ordinator,
STC on SMART – RTI , Sept. 2017,
Department of Mechanical Engineering,
IIT (BHU), Varanasi – 221005, Uttar Pradesh, India

How to reach:

The city of Varanasi is well connected by road, rail and air with all the important cities of India. There are regular flights from Varanasi to Delhi, Mumbai, Chennai, Hyderabad, Bangalore, Kolkata, Khajuraho and Lucknow operated by Airindia or other private airlines. The IIT (BHU) campus is about 5 Km from Manduadih railway station, 10 Km from cantonment railway station, 20 Km from Mughalsarai railway station and 35 Km from Babatpur (Varanasi) airport.

Short Term Course (STC)
under
Continuing Education Programme (CEP)
ON
Smart Materials and Structures – Recent Trends in Industrial Applications
(SMART– RTI , Sept. 2017)

September 4 – 11 , 2017



Organized by
QIP & CEP Centre , IIT (BHU)

Course co-ordinator

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Who should attend

1. Faculty members from Institutes/Colleges/Universities working in disciplines like mechanical, aerospace, civil, ceramics, electrical, electronics, biomedical, mining, metallurgy engineering, naval or allied disciplines, materials science, physics, chemistry, mathematics or allied science disciplines and/or doing research and/or planning to do research on any topic of smart materials and structures field.
2. Students (research scholars, post graduate, under graduate) from any of the above mentioned disciplines or allied disciplines who are doing research or wiling to do research on any topic of smart materials and structures field.
3. People from industries who are already in business in smart structures field or planning to explore business opportunities.
4. Scientists from R&D organizations who are already doing research and implementing or planning to explore.
5. People from medical displines already implementing smart technologies in treatment or willing to implement

About the course

The aim of this seven days continuing education programme (CEP) is to apprise the participants about the current state of the art in the field of smart materials and structures and generating inspiration for future ideas on a multidisciplinary level. Smart structures and materials encompass sensing, actuation and control capabilities to be combined from a systems approach, on a macro, meso, micro or even nano scale, and have triggered a variety of new research areas with impacts in the wider field of engineering and science viz. aircraft, space, railway, automobile, mining, biomedical and medical industries.

Topics to be covered

1. Introduction to smart structures
2. Smart materials, their characterization and applications
3. Metallurgical aspects of smart materials
4. Applications to aerospace industries, railways, automobile industries, biomedical and medical applications
5. Applications of piezoelectric, SMA, ER/MR, optical fiber and nanomaterial based smart structures
6. Structural health monitoring
7. Energy harvesting
8. Vibration damping
9. MEMS/NEMS based smart structures and their applications
10. Mathematical aspects of modeling of smart materials based structures
11. Numerical analysis aspects of smart structures and MEMS smart structures

Course speakers

Faculty members from IITs and experts from industries/ R&D organizations

Accommodation

1. Guest house inside campus
2. Hostel inside campus
3. Guest house outside campus
4. Hostel outside campus
5. Hotel outside campus

Inside campus accommodation will be provided on first come first serve basis

About Varanasi

The holy city Varanasi is the oldest living city in the world which is known to be "older than history". Varanasi is also known as spiritual capital of the world. The city has a great historical and cultural importance. The religious and cultural capital of India is situated in the bank of the holy river Ganges and is famous for temples of Lord Shiva, Buddha (Sarnath), Sankat Mochan and numerous other religious temples. Varanasi is also a center for learning from long back and in modern times also it is keeping pace with advanced knowledge. This vibrant city of art and culture, religion and contemporary and modern knowledge has over the years attracted numerous tourists from all over the world.