

REGISTRATION FORM

Short term course
On
Materials and processes for advanced engineering applications
(MPAEA-2017)
December 11-16, 2017

National Institute of Technology, Kurukshetra 136119 Haryana

Name :
Designation :
Institution/Organization :
(a)Address for Communication :
(b) E-mail :
(c) Contact No. :
Registration Fee Details :
Amount :
DD No. & Date :
Name of the Bank :
Accommodation required (Y/N) :
(Please specify the dates)

Note: The **registration fees** to be paid through DD only in favor of,
'Director, National Institute of Technology, Kurukshetra' **payable at**
'Kurukshetra'

(Signature of candidate)

Please send the registration form with DD to the following address:

Coordinator (Short-term course)
School of Materials Science and Technology
National Institute of Technology Kurukshetra
Kurukshetra 136119 Haryana
Email: mpaeaitkkr@gmail.com
Tel: +91-8950459784, +91-9896006531,

Important dates and registration fee*:

Participant category	Registration fee (Onsite registration maybe allowed on request and availability)
Faculty	1,500
Student	1,000
Industry	5,000

*Registration fee includes, meals and tea during the sessions.

- Fee maybe waived/ reduced for local volunteers

A one day tour to nearby historical places will also be available.



Sponsorship:

Interested sponsoring individuals/
companies/ organizations please contact to
the coordinators

One week short-term course
on
**Materials and processes for
advanced engineering
applications (MPAEA-2017)**
December 11-16, 2017

Chairman
Dr. Ashavani Kumar

Coordinators
Dr. Ashok Kumar
Dr. C. R. Mariappan



**School of Materials Science and
Technology**
National Institute of Technology
Kurukshetra, Kurukshetra – 136 119,
Haryana

Introduction

Innovations and inventions are the basic requirement for any group, society or country to prosper. Today, the research and academic activities need to be synchronized with the fast changing requirement of the world. Applied Sciences and Engineering are two complimentary components for one and all innovations leading to new theories and/ or devices. To achieve this, one need be aware of the fundamentals and current developments in the respective research area. The recent innovations in materials processing for advanced engineering applications at large are the technological development toward integration of disciplines such as materials science and engineering, physics, chemistry, biology, electronic engineering, mechanical engineering, and other academic and research disciplines

Objectives of the course

The aim of this course is to train/facilitate young faculties and research scholars in area of materials and processes for advanced engineering applications. The fundamental principles guiding the advances in these areas will be presented. The course is arranged in a series of informative individual lectures on applied concepts in chemical sensors; electro-mechanical devices; batteries; nano-materials; carbon based materials (CNT, graphene, graphene oxide, etc.); solar systems; solar cell; thermoelectric materials; metal oxide nanomaterials; up-conversion materials; advanced instrumentation for surface and interface characterization of materials; organic electronic devices, ferroelectric- and ferromagnetic materials and renewable energy. One or two lectures of the schedule may be devoted to the research methodology, intellectual property rights and/or writing of research proposals and international/national scientific collaboration. *The lecturers will be followed by laboratory visits to provide the real feeling of the taught fundamentals.* This course will truly highlight the recent developments and advances in applied Sciences and Engineering.

About Kurukshetra

Kurukshetra-the land of the Mahabharata where the quest for wisdom and absolute started with the rendering of sermon by Lord Krishna and also known as Dharmakshetra. This place from where knowledge spread far and wide was chosen as his capital by King Harshwardhana. The famous tourist spots are Brahasarovar, Jyotisar, Dharohar, Shek Chehli's Tomb, Panorma, Sannihit Sarovar, Kalpana Chawala Planitarium, etc. In addition to its spiritual significance, the town has steadily developed into a centre of academic excellence. Kurukshetra is a railway junction on the Delhi-Ambala section of the Northern Railway. It is about 160 kms from Delhi. The Institute is situated on the Kurukshetra-Pehowa Road, about 6 kms from the Railway station Kurukshetra. The nearest road junction is Pipli which is on the National Highway No.1 (Sher Shah Suri Marg). The Institute is about 10 kms from Pipli.

About the School of Materials Science and Technology

The school offers M. Tech. and Ph.D. programmes in materials science and technology. These programme educates students' unique methodologies of material characterization, synthesis processes, essential fundamentals and applications. Apart from this, the school has various R & D facilities. The faculty members hold various R & D Projects and have national/international collaborations with several reputed laboratories.

Resource persons will be from premier National Institutes/ R & D Labs

Who should attend

Faculty members/research scholars from academic institutes and Scientists/ Engineers working in Private/ Public/ Government Organizations/ Industries, Research & Development establishments etc., can attend the course.

Participants will be provided meals and tea during the sessions. However, accommodation can be arranged in hostel/ guest house on nominal payment basis subject to the availability. No TA/DA will be paid to the participants. Participants will be selected on first-come-first serve basis. The filled registration form with demand draft of requisite amount should be sent to the Course Coordinator (scan copy of form and draft can be emailed to get early registration confirmation). Registration fee is to be paid through a crossed bank draft in favor of "Director, NIT Kurukshetra" payable at Kurukshetra. Onsite registration with DD/cash payment may be possible on request and availability. The brochure with registration form can be downloaded from Institute website www.nitkkr.ac.in

Members

Dr. J. K. Quamara
Dr. Neena Jaggi
Dr. R. P. Chauhan
Dr. Anurag Gaur
Dr. Y. Dwivedi
Dr. A. K. Tripathi
Dr. Prakash Chand
Dr. Arun Kumar

Contact:

Coordinator (Short Term Course)
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