

Objective:

The basic objective of this two days training programme is to bring together participants from industries, R&D organizations and academic institutions to offer an overview of different functional materials and their processing methods. The workshop will also provide hands on training about the characterization of materials using a variety of high-end and sophisticated equipments e.g. Universal Testing Machine (UTM), Micro-hardness Tester, UV-VIS, FTIR, DTA/ TGA, Surface Analyzer, FE-SEM etc.



Thermal Analyzer



UV-VIS NIR



FTIR



Surface Analyzer



Quantum Efficiency
Measurement
System



Micro Hardness
Tester



Leica Microscope



Scratch Tester

Who will be beneficiaries:

This training will be valuable to anyone ranging from Senior Level Executives, Engineering Trainee to have practical hands involved in processing of advanced materials and characterization. The programme is designed for the benefit of interdisciplinary researchers, engineering, R&D professionals and technocrats.



Workshop-cum-Training Programme on Advanced Materials Proc- essing & Characterization

Date: September 7- 8, 2017

Venue: CSIR-CMERI, M.G. Avenue,
Durgapur- 713209

In the aegis of
Diamond Jubilee Celebration



CSIR-Central Mechanical Engineering
Research Institute (CSIR-CMERI),
Durgapur, India

About CSIR-CMERI: The Central Mechanical Engineering Research Institute (CMERI) is a premier R&D institute under the aegis of Council of Scientific & Industrial Research (CSIR), New Delhi. CMERI has been engaged in R&D on modern technological areas like Advanced Manufacturing, Materials Processes, Advanced design, Robotics, Micro System Technology and Design Engineering, Precision Engineering, Surface engineering and tribology etc. It is also enriched with the latest tools and equipment for design, development and manufacturing. CMERI provides regular service to industry in testing, evaluation and calibration for quality assurance.



Centre for Advanced Materials Processing (CAMP): The Center for Advanced Materials Processing (CAMP) at the Central Mechanical Engineering Research Institute (CMERI) was cre-



ated in 2005 to address the challenges in the area of advanced materials. The main focus of the centre is experimental research and development on functional materials for different applications. The

centre also focuses towards synthesis, characterization and testing of various functional nano-materials. Currently the thrust area of the centre is Advanced materials and processes for:

- Structural and functional applications
- Energy generation and storage devices
- Biomedical applications
- Systems for environmental monitoring and hazard mitigation

The course will cover the following areas:

- **Materials Processing:**
 - Semisolid
 - Laser
 - Ceramic powder
 - Composites (Metal matrix, ceramic matrix, polymer matrix)
- **Materials Characterization:**
 - Mechanical
 - Thermal
 - Optical
 - Surface

Registration Fees:

Delegates from Industry: **Rs. 10000.00**

Delegates of R&D Institution : **Rs. 5000.00**

Participants from Academic Institution:

Rs. 3000.00

[The registration fees include kits, course materials, refreshment & working lunch. Certificates will be awarded to the Trainees at the end of the program.]

For registration please contact:

Dr. Nilrudra Mandal

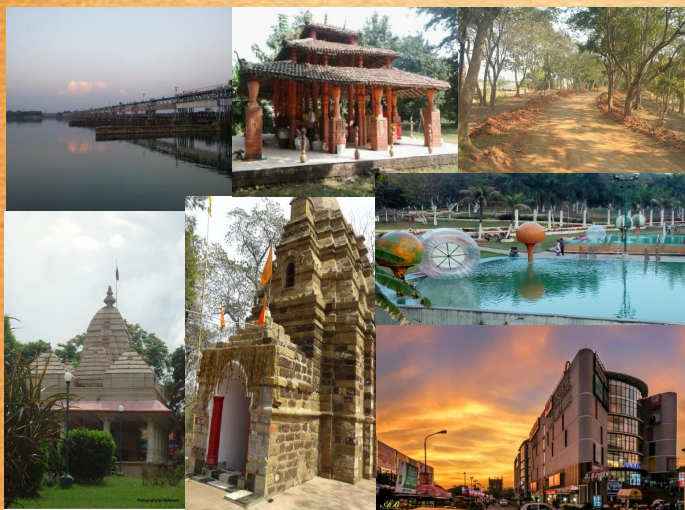
Sr. Scientist, CSIR-CMERI &

Chairman, WAMPC-2017

E-mail: wampc2017@gmail.com

M: 09932399947

Places of Interest in Durgapur:



Location:

CMERI is about 10 km from Durgapur Railway station and near Grand Trunk Road and well connected by buses, Taxis and three wheelers. Durgapur is about 160 km from Howrah railway station on Howrah-Delhi route.

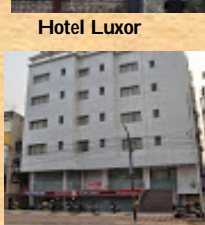


Hotels in Durgapur:

It is an industrial and educational city having standard and affordable hotels, lodges and guesthouses.



Hotel Steel Regency



Hotel Banerjee Inn



Park Prime Durgapur



Hotel Luxor



Peerless Sarovar Portico

Organizing Committee:

Chief Patron	: Prof. (Dr.) Harish Hirani
Chairman	: Dr. Nilrudra Mandal
Org. Secretary	: Dr. Ranajit Ghosh
Jt. Org. Secretary	: Dr. Sivaprakash S
Prog. Coordinator	: Dr. Prosenjit Das
Jt. Prog. Coordinator	: Dr. S S Chakraborty
Treasurer	: Dr. Kalisadhan Mukherjee
Jt. Treasurer	: Mr. Palash Chowdhury

REGISTRATION FORM

Workshop -cum-Training

Programme on

Advanced Materials Processing & Characterization

(September 7- 8, 2017)

Name (in block letters):

Name & Address of the Organization:

Email.....

Ph.....

DD. NoDate.....

Food: Veg. / Non Veg.:

Details of Registration Fees:

Option 1. By Cheque / Bank draft , drawn in favor of CMERI JUBILEE

Option 2. Bank Transfer to CMERI JUBILEE account . Details of the account is as follows:

Name of the Bank: Allahabad Bank

A/C Name: CMERI JUBILEE

A/c No: 20270985953

IFS Code: ALLA0211764

Branch Name: Durgapur City Centre

Sign:.....

Date:.....

Note: Delegates/Accompanying Persons will not be regarded as registered until the payment has been lodged in **CMERI JUBILEE's** bank account. [Photocopy of this form may be used for more participants.]