

## Participation

Participation is open to professionals from industries, national labs, faculty and students of academic institutions. The participants are requested to make their own accommodation arrangements. Details of some of the hotels close to the workshop venue can be found on the webpage. However, limited accommodation is available for students on first-come-first-serve basis. For more details visit the webpage.

URL: [www.mme.iitm.ac.in/nvrk/acf-2012.html](http://www.mme.iitm.ac.in/nvrk/acf-2012.html)

### Information for student participants:

Interested students can register for the workshop by paying the registration fee. Registered students are encouraged to submit abstracts for poster presentation, though not mandatory. However, only a selected few will be shortlisted after a stringent review by an expert committee. Guidelines for the preparation and submission of abstracts may be found on the workshop website.



## Conveners

**Dr. rer. nat. Ravi Kumar, N. V**  
*Department of Metallurgical & Materials Engineering,  
IIT Madras*

**Dr. R. Jayaganthan**  
*Department of Metallurgical & Materials Engineering  
& Center of Nanotechnology, IIT Roorkee*

## Organizing Committee

**Dr. M. Balasubramanian**, IIT Madras

**Dr. S. S. Bhattacharya**, IIT Madras

**Dr. Ashutosh Gandhi**, IIT Madras

**Dr. T. S. Sampath Kumar**, IIT Madras

**Dr. K. C. Hari Kumar**, IIT Madras

**Dr. Ranjit Bauri**, IIT Madras

**Dr. Srinivasa Rao Bakshi**, IIT Madras

**Mr. U. Divakaran**, InCerS, Chennai

## Registration

**Registration deadline: 15<sup>th</sup> November, 2011**

**Registration fee: Rs. 5000/-**

**Student participants: Rs. 2500/- (+Rs. 500/- for on-campus accommodation)**

(The fee includes registration kit, coffee, snacks, lunches and dinner for the workshop duration).

The registration details and mode of payment can be obtained from the workshop webpage.

## For further information

Dr. Ravi Kumar, N. V, [nvrk@iitm.ac.in](mailto:nvrk@iitm.ac.in),  
Ph: +91-44-2257 4777

Dr. R. Jayaganthan, [rjayafmt@iitr.ernet.in](mailto:rjayafmt@iitr.ernet.in),  
Ph: +91-1332 285869

Secretariat  
[keramik2012@gmail.com](mailto:keramik2012@gmail.com)

## International Workshop on Advanced Ceramics for the Future (ACF-2012)

16<sup>th</sup> & 17<sup>th</sup> January, 2012

*Venue*  
ICSR Auditorium  
Indian Institute of Technology - Madras  
Chennai – 600 036, INDIA.

*Organized by*



Department of Metallurgical and Materials Engg.,  
IIT Madras, Chennai 600036.

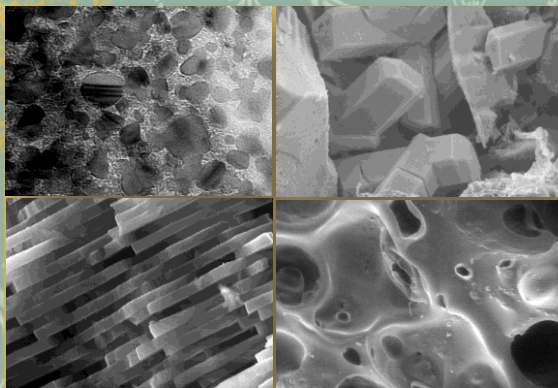
*In association with*

Department of Metallurgical and Materials Engg.,  
IIT Roorkee,  
&  
Indian Ceramic Society (InCerS),  
Tamil Nadu Chapter.

*Event sponsored by*







## Scope

This workshop is intended to bring ceramic scientists from academics to industry together on a single platform to discuss future trends of ceramics in the areas of energy, environment, security on land and in the marine world. The need for interdisciplinary research has become inevitable and has brought materials scientists, chemists, physicists, biologists and engineers to work together to solve technological problems of the modern world. This workshop intends to serve that purpose by inviting eminent scientists who can connect science and technology. This workshop has only invited oral presentations. Participation by industries, labs and other academic institutions is possible by paying the registration fees.

The topics of interests include:

*Advanced structural UHT ceramics (oxides, carbides, nitrides),  
Precursor derived ceramics,  
Fuel cell materials,  
Composites,  
Coatings,  
Membranes,  
Porous ceramics & foams,  
Piezoelectric ceramics,  
Thermodynamics,  
Modeling & simulation,  
Bioceramics & biomimetics,  
Evaluation of properties (mechanical, electrical, optical, magnetic).*

## About IIT Madras

Indian Institute of Technology Madras is one of the finest engineering and technology schools in India. Founded in 1959 with the technical aid from German Government, IIT Madras is recognized as an Institute of National Importance by the Government of India. The institute offers degree programs at both undergraduate as well as graduate levels across fifteen departments. With advanced research centers of various disciplines headed by faculty of international repute, the institute has established itself as a premier centre for teaching, research and industrial consultancy in the country.

Located at the heart of Chennai, IIT Madras is a residential, self-contained campus in a wooded land of 250 hectares. The campus is a protected forest and has a natural lake which drains most of the rainwater. Besides, it remains a home to blackbucks, spotted deer and other wildlife. A walk around the campus provides with an experience of being close to nature.



## Invited Speakers

### CONFIRMED SPEAKERS

- Prof. Dr. Fritz Aldinger**,  
MPI, Germany
- Prof. Dr. G. Sundararajan**,  
ARCI, India
- Prof. Dr. Indranil Manna**,  
CGCRI, India
- Prof. Dr. Vikram Jayaram**,  
IISc, India
- Prof. Dr. Siegfried Schmauder**,  
University of Stuttgart, Germany
- Prof. Dr. Philippe Miele**,  
UMR CNRS 5635 – UM2, France
- Dr. K. G. K. Warrier**,  
NIIST, India
- Dr. –Ing. Uwe Schulz**,  
German Aerospace Centre, Germany
- Dr. rer. nat. Markus Weinmann**,  
H. C. Starck GmbH, Germany
- Prof. Dr. Snezana Boskovic**,  
Institute of Nuclear Sciences, Serbia
- Dr. Samuel Bernard**,  
UMR CNRS 5635 – UM2, France
- Dr. rer. nat. Branko Matovic**,  
Institute of Nuclear Sciences, Serbia
- Dr.-Ing. Martin Günthner**,  
Universität Bayreuth, Germany
- Dr. S. Packirisamy**,  
VSSC, ISRO, India
- Dr. Sukumar Roy**,  
CTI/BHEL, India
- Dr. rer. nat. See Hoon Lee**,  
Korea Institute of Materials Science, South Korea
- Dr. rer. nat. Nuri Solak**,  
Istanbul Technical University, Turkey
- Prof. Dr. G. Ramanath**,  
RPI, USA
- Prof. Dr. F. D. Gnanam**,  
Anna University, India

### SPEAKERS INVITED:

- Dr. Narayana Das**, Chief controller (R & D), DRDO\*
- \*Confirmation yet to be obtained