

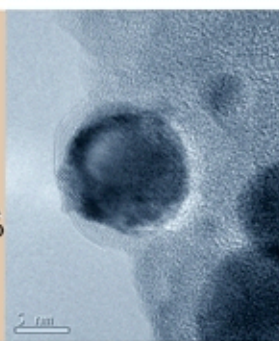
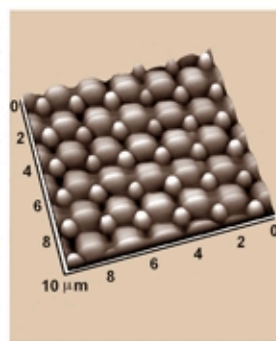
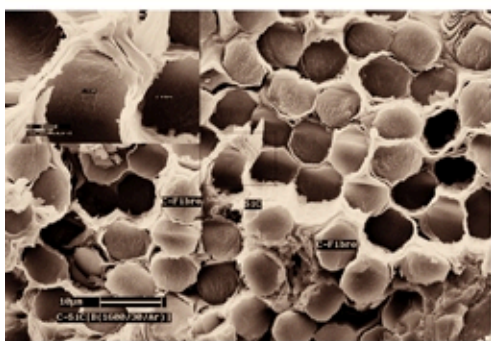
20TH



MATERIALS RESEARCH

ANNUAL
GENERAL
MEETING

SOCIETY OF INDIA



Theme Symposium on
New Generation Composites
and Hybrid Materials :
Concepts to Applications

Venue
Saha Institute of Nuclear Physics
Kolkata

Organised by

MRSI
KOLKATA CHAPTER

FEBRUARY 10-12, 2009

20th AGM and Theme Symposium on *New Generation Composites & Hybrid Materials :* *Concepts to Applications*

20th Annual General Meeting (AGM) of the **Materials Research Society of India (MRSI)** and as an integral part of the Program a Theme Symposium on “**New Generation Composites and Hybrid Materials : Concepts to Applications**”, being organized by Kolkata Chapter of MRSI, will be held during 10-12 February, 2009 at Kolkata.

MRSI, which was founded in 1989, holds its Annual General Meeting and concurrently, a theme symposium every year at different parts of the country to provide a platform to the Materials Science Community to exchange and share their research, developments and innovations in a structured fashion on the emerging issues of materials science and engineering to identify opportunities and challenges to set the mission for future R&D in the field.

Materials Research Society of India, Kolkata Chapter, invites materials science and engineering community from academia, R & D institutes and industries from across the country and abroad for their participation and scientific contribution in the 20th Annual General Meeting (AGM) of the Materials Research Society of India (MRSI) to be held during 10-12 February, 2009 at **Saha Institute of Nuclear Physics**, 1/AF, Bidhan Nagar, Kolkata 700 064, India.

For up to date information of MRSI AGM 2009, please contact the AGM Secretariat or you may please visit our website -

<http://www.mrsi-kolkata.org>

<http://www.cimindia.net/mrsi2009>

Dates and Deadlines

- | | | |
|--------------------------|---|-------------------|
| Submission of Abstracts | - | October 01, 2008 |
| Intimation of Acceptance | - | November 15, 2008 |
| Registration closes | - | January 15, 2009 |
| Early Bird Registration | - | November 30, 2008 |

(For final consideration of presentation of a paper, at least one of the authors should be registered)



ABOUT MRSI

The Materials Research Society of India (MRSI), founded in 1989 by Prof. C.N.R. Rao, FRS is an interdisciplinary society dedicated to further the cause of Materials Science and Engineering in India. This society, which is currently presided by Dr. T. Ramasami, Secretary, DST, Govt. of India is committed to stimulate and integrate the research in the field of materials to cope with the rapid industrial progress in the country. Pursuant with this mission MRSI is designed to undertake indigenous research and development of a wide range of materials and its application with an aim to fulfill the following objectives :

- To promote active interactions among scientists, technologists, engineers and others engaged in basic or applied research, technology development and transfer, application and innovation in the field of materials for rapid industrial progress in the area under its fold.
- To encourage active interactions and cooperation between local laboratories and industries for applications of such materials in all areas such as agriculture, food, health, clothing, energy, water, housing and construction, communication, transport, service instruments and controls, consumer goods, sports, ecology, environment and safety and security.
- To encourage active interactions and cooperation with other local societies and organizations engaged in furtherance of materials research development and application.
- To disseminate knowledge on materials to local organizations, researchers, teachers and student communities through education, short-term training courses, workshops, seminars, symposia, local visits, lectures, publications and other suitable means.
- To provide reorganization of significant contribution of local young individuals in materials research and their applications.
- To provide a local professional forum for discussion of major issues related to materials and their industrial exploitation.
- To promote wide public interest in materials development and their potential using regional means, recourses and diversities and in formulation of policies and measures suitable for attracting investment in research and development in the fields of materials for regional self reliance, economic growth and development and prosperity.
- To take appropriate measures to mobilize local traditional intellectual and other recourses in all possible manners towards fulfillment of these objectives.

The Kolkata Chapter of MRSI, one of the oldest regional bodies, came into being in 90's to emphasize the implementation and fulfillment of the objectives of its parent organization in an around Kolkata and also greater parts of West Bengal which was once famous for hectic industrial activities and still has a wide spectrum of sectors like chemical industry, heavy engineering, machinery, transportation, energy, instrumentation, microelectronics, communications systems, bio engineering, defence, information technology, agriculture and construction and also houses numerous reputed R & D establishment laboratories, universities and institutes.

The 20th AGM program is structured in a fashion including Medal Lectures, MRSI Honour Lectures, MRSI-ICSC Award Lectures, G. C. Jain Memorial Lecture, contributory poster papers covering the latest work of materials science community of the country and a Theme Symposium on "New Generation Composites and Hybrid Materials : Concepts to Applications".

THEME SYMPOSIUM

“New Generation Composites and Hybrid Materials : Concepts to Applications”

The area of composites and hybrid materials occupies a central place in the field of materials science. It is one of the most active fields of modern day basic materials science research and also an area with immense application potential. The new generation of engineered materials will belong to this class of materials science. The theme symposium of the 20th AGM of MRSI has been chosen to reflect on the importance of this area and also to highlight some of the important and landmark achievements of this ever growing field.

The symposium, through a number of plenary, invited talks and selected oral contributions, will highlight different activities in this broad area. A number of leading experts in this field from India and abroad (from both academia and industry) are expected to attend. The areas to be discussed will include new generation nanocomposites, functional polymer matrix composites, hybrid nano-scale drug delivery systems, ultra-high temperature ceramic matrix composites and the metal matrix composites. The application areas will include amongst other things health and drug related applications, automotive and strategic areas as well as areas like filtering, thermal management, ferroelectric, magnetic and electro-optic applications.

Call for Abstracts - Poster Presentation

Abstracts are invited for poster presentations. Material scientists interested in contributing poster presentation, in any of the specified subject areas, may submit their abstracts. We shall provide two sessions exclusively for poster presentations and expect intense discussion among the participants. All abstracts submitted will be peer reviewed by experts before acceptance. All abstracts should be submitted online at -

<http://www.mrsi-kolkata.org>

<http://www.cimindia.net/mrsi2009>

Abstract format

Single page abstracts with a maximum of 300 words (Times New Roman Font) should be submitted in Microsoft Word format. The title should be in 14 pt bold, upper-lower case letters and centered. This should be followed by author's names and affiliations (12 pt - centered) and the abstract text (10 pt) aligned left. A maximum of one figure/graph (resolution 300 dpi) may be added if required and should be inserted in the word document (page size should not exceed one page). Abstract template is available online for download. If you have difficulty in online submission, kindly contact the chair at -

mrsi.agm2009@gmail.com

** Abstract via email/post will not be accepted*

Broad Topics for Abstracts

- Energy and Environment
- Advanced composites for strategic applications
- Hybrid Materials
- Functionally Graded Materials
- Nanostructured Composites
- Biomaterials and Bio-composites
- New Generation Polymer Matrix Composites
- Advanced Techniques for Composite Materials Characterization
- Processing Technologies for large scale applications
- Modelling, Simulation & Optimisation
- Surfaces & Interfaces in Advanced Composites
- Interfacial engineering
- New methods of processing
- Carbon nano tubes and composites

Accommodation, Venue & Registration

Limited accommodation on a chargeable basis on first-come-first served mode, at different guest houses/hostels/hotels can be arranged on requisition received by the official conference manager, **Conferences & Incentives Managements (I) Pvt. Ltd.** Please contact Mr. Faiz Ahmed at faiz@cimindia.net or via online at www.cimindia.net/mrsi2009.

Registration Fee

	Before Jan 15	After Jan 15
MRSI Members	Rs. 2000/-	Rs. 2500/-
Non-members	Rs. 2500/-	Rs. 3000/-
Students	Rs. 1000/-	Rs. 1200/-
Delegates from Industry	Rs. 5000/-	Rs. 6000/-

Registration payment should be made through DD drawn in favour of "MRSI AGM 2009", payable at Kolkata, and should be sent along with the Registration Form. For online registration please visit <http://www.cimindia.net/mrsi2009>.

Call for Support

Gold Sponsor	Rs. 5,00,000
Silver Sponsor	Rs. 2,50,000
Collaborator	Rs. 1,00,000
Co-Sponsor	Rs. 50,000
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Cover Page (Back)	Rs. 25,000
Cover Page (Inside)	Rs. 20,000
Full page (Color)	Rs. 15,000
Full page (B&W)	Rs. 10,000
Half page (B&W)	Rs. 5,000

About Kolkata

Kolkata is a cosmopolitan city where people, technology and ideas have blended together with the socio-political culture to give the city a new shape. The city is full of historical monuments and palaces. It was the capital of the British government in India till 1911. Being the center of power for so long created a unique culture and heritage of the city, totally unlike any other city of India. The people here are very proud of their culture. The humanity of the city can be felt only through visiting the place.

As the city is near the sea, it has uniform ambience throughout the year. The temperature typically ranges from 12-27°C in the winter and 24-38°C in the summer. Annual rainfall is around 160 cm. Cotton clothing is ideal for the summer months whereas light woollens are required for the winters. Best time to visit is October to March.

20th Annual General Meeting Materials Research Society of India (MRSI)

Theme Symposium
*New Generation Composites
and Hybrid Materials : Concepts to
Applications*

REGISTRATION FORM

All fields that are marked with * are mandatory

Name* :

Address for Correspondence* :

.....

City* : Pin :

MRSI Membership No :

Telephone No* :

Mobile No :

Fax No :

Email* :

Nature of Contribution* : (Please tick appropriate box)

Medal Lecture Invited Lecture

Poster Presentation Other

Title of the Presentation* :

.....

Author/ Authors* :

.....

I shall be attending the AGM : YES / NO

I need hotel / guest house accommodation : YES / NO

Payment Details : (All Demand Drafts should be made in favour of "MRSI AGM 2009" payable at Kolkata)

DD No* : Date :

Amount : Bank* :

..... Branch* :

Please print this form. After filling, kindly fax it immediately to +91-33-2668 2916 / 9925 along with the copy of Demand Draft.

OR

E-mail the scanned form to along with the copy of Demand Draft.

Address for Correspondence

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conference website

<http://www.mrsi-kolkata.org>

<http://www.cimindia.net/mrsi2009>

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