



MRSI Newsletter

*A quarterly publication of the Materials Research Society of India
for circulation amongst its members*

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From the Editors' Desk

In the last few months, there has been a merge of new things in Materials design and fabrication. Most of the activities are turned towards hybrid structures comprising of similar and dissimilar materials to explore new avenues of applications related to environment monitoring, energy harvesting and sub surface detection. In parallel the materials community is experiencing a significant development in exotic materials such as topological insulator, hetero structures for 2DEG realization etc.

Considering the upsurge, Materials Research Society of India (MRSI) planned a conference contemplating on these new ideas, naming it as First Indian Materials Conclave and placed this conference under the aegis of MRS-AGM 2019, with a view of providing a common platform for all the researchers interested in materials science and technology.

The conference is scheduled at J N Tata Auditorium, IISc during 12-15, February 2019. The conference is engaged in about 8 parallel sessions covering nearly 18 different topics in materials science. All are encouraged to attend and participate.

K K Nanda
Editor

For more details about the activities of MRSI, members are advised to visit the society's website at

www.mrsi.org.in

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MRSI NEWSLETTER

Volume B 19, Number 1
January 2019

The MRSI Newsletter is a quarterly update published by the Materials Research Society of India. Members are requested to contribute information of interest to Materials Science community. Members can inform through the Newsletter, recognitions/awards received by them, changes in address, forthcoming events, and any interesting scientific/technological developments in the area of materials. The relevant information should be sent to the following address:

Editors

MRSI Newsletter

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NOTICE

30th ANNUAL GENERAL BODY MEETING OF MRSI

The Thirtieth Annual General Body Meeting of MRSI will be held on **13th February 2019** at 6.30 pm at Indian Institute of Science, Bangalore

The Agenda for the Meeting is as follows:

- Welcome by the President, MRSI
- Confirmation of the Minutes of the 32nd Council Meeting and action thereon
- Presentation of the Annual Report for 2018
- Report on International links of Materials Research Society of India
- MRSI-Publications-Report by the Editor
- Award for the Best Paper published in Bulletin of Materials Science
- Presentation of the Statement of Accounts for 2018
- Election of Honorary Members
- Venue for the 31st AGM, 34th Council Meeting (2020) & 32nd AGM, 35th Council Meeting (2021)
- Any other matter from the members
-Request from Kolkata chapter to hold the AGM at Kolkata during 2020
- Reconstitution of the council of MRSI for the period 2019-2022

Kindly communicate the notice of the AGBM to all the members

MRSI AWARDS 2019

The MRSI Awards and Prizes for the year 2019 have been announced. The awardees will deliver lectures at the 30th AGM of MRSI to be held at Indian Institute of Science, Bangalore during February 12-15, 2019.

MRSI International Medal for Materials Science and Technology	Prof. B Raveau University of Caen, France
CNR Rao Prize Lecture in Advanced Materials	Prof. Sabu Thomas M G University, Kottayam
Distinguished Materials Scientist of the Year Award	Prof. S B Krupanidhi, IISc, Bangalore
MRSI Distinguished Lecturership Award (2019-2020)	Prof. G U Kulkarni Centre for Nano and Soft Matter Sciences, Bangalore Dr. A. Ajayaghosh, NIIST, Thiruvananthapuram Prof. Parthasarathi Chakrabarti, IEST, Shibpur
MRSI-ICSC & Materials Science Annual Prizes	Prof. M S Ramachandra Rao IIT Madras, Chennai Prof. A Sundaresan JNCASR, Bangalore
MRSI Medal Lectures	
Prof. R Vaidhyanathan IISER, Pune	Prof. Vivek Polshettiwar TIFR, Mumbai
Dr. C V Yelamaggad CENS, Bangalore	Prof. Saurav Giri IACS, Kolkata
Prof. M K Jayaraj CUSAT, Cochin	Dr. G S Vaitheeswaran University of Hyderabad, Hyderabad
Dr. M M Shaijumon IISER, Thiruvananthapuram	Prof. Debabrata Pradhan IIT, Kharagpur
Dr. Vinay Gupta NPL, New Delhi	Dr. Sreekumar Kurungot NCL, Pune
Prof. (Mrs). Anshu Dandia University of Rajasthan, Jaipur	Prof. R Jayavel Anna University, Chennai

FIRST INDIAN MATERIALS CONCLAVE
and 30th ANNUAL GENERAL BODY MEETING OF MRSI

TENTATIVE PROGRAMME

FEBRUARY 12-15, 2019

J N TATA AUDITORIUM, INDIAN INSTITUTE OF SCIENCE, BANGALORE

09.00-09.30 hrs	Inauguration
09.30-10.30 hrs	Inaugural Keynote Lecture by Professor C N R Rao
10.30-11.00 hrs	MRSI Event
11.00-11.30 hrs	Tea Break
11.30-12.30 hrs	International Medal for Materials Science and Technology
	Bernard Raveau, University of Caen, France
12.30-13.15 hrs	CNR Rao Prize Lecture in Advanced Materials
	Sabu Thomas, M G University, Kottayam
13.15-14.00 hrs	Lunch
14.00 -16.00 hrs	Oxide Electronics I
Parallel Sessions	Photonic Materials I
Invited and Oral	Nanomaterials: Devices and Applications I
talks	Multiferroics I
	Computational Materials Science I
	Characterization Techniques I
	VAMAS Lectures
16.00-16.30 hrs	Tea Break
16.30-18.30 hrs	Oxide Electronics II
Parallel Sessions	Photonic Materials II
Invited and Oral	Nanomaterials: Devices and Applications II
talks	Multiferroics II
	Photovoltaics I
	Materials for Energy and Environment I
	Nitride Electronics I

13th February 2019

09.00-10.00 hrs	Plenary Talk
	A K Sood, IISc, Bangalore
10.00-10.45 hrs	Distinguished Materials Scientist of the Year Award
	S B Krupanidhi, IISc, Bangalore
10.45-11.00 hrs	IUMRS – ICMAT : B V R Chowdari, NTU, Singapore
11.00-11.30 hrs	Tea Break
	MRSI Distinguished Lecturership Awards
11.30-12.00 hrs	A Ajayaghosh, NIIST, Thiruvananthapuram
12.00-12.30 hrs	G U Kulkarni, CENS, Bangalore
12.30-13.00 hrs	P Chakrabarti, IEST, Shibpur and IIT, BHU, Varanasi
13.00-14.00 hrs	Lunch
14.00-16.00 hrs	Oxide Electronics III
Parallel Sessions	Photovoltaics II
Invited and Oral	Photonic Materials III
talks	Nanomaterials: Devices and Applications III
	Multiferroics III
	Computational Materials Science II
	Organic Electronics I
	Characterization Techniques II
16.00-16.30 hrs	Tea Break
16.30-18.30 hrs	Nanomaterials: Devices and Applications IV
	Materials for Energy and Environment II
	Photovoltaics III
	Biomaterials, Devices and Applications I
	Nitride Electronics II
	2D Materials I
	Multiferroics IV
18.30-19.30 hrs	Annual General Body Meeting

14th February 2019

	MRSI-ICSC & Materials Science Annual Prize Lectures
09.00-09.30 hrs	M S Ramachandra Rao, IIT Madras, Chennai
09.30-10.00 hrs	A Sundaresan, JNCASR, Bangalore
	Medal Lectures
10.00-10.25 hrs	ML-1
	Vivek Polshettiwar, TIFR, Mumbai
10.25-10.50 hrs	ML-2
	Saurav Giri, IACS, Kolkata
10.50-11.20 hrs	Tea Break
11.20-11.45 hrs	ML-3
	Vinay Gupta, NPL, New Delhi
11.45-12.10 hrs	ML-4
	Anshu Dandia, Univeristy of Rajasthan, Jaipur
12.10-12.35 hrs	ML-5
	R Vaidhyanathan, IISER, Pune
12.35-13.00 hrs	ML-6 (2018)
	Shaibal Mukherjee, IIT, Indore
13.00-14-00 hrs	Lunch
14.00-16.00 hrs	Semiconductors, Silicon Germanium, III-V and II-VI I
	Oxide Electronics IV
	Organic Electronics II
	Nanomaterials: Devices and Applications V
	Batteries, Fuel Cells and Supercapacitors I
	Composites, Light Metals and Alloys I
	Biomaterials, Devices and Applications II
	Thermoelectrics I
16.00-16.30 hrs	Tea Break
16.30-18.30 hrs	Nanomaterials: Synthesis & Solutions Route I
	Magnetic, Spintronics and Superconductors I
	Batteries, Fuel Cells and Supercapacitors II
	Composites, Light Metals and Alloys II
	Biomaterials, Devices and Applications III
	2D Materials II
	Materials for Energy and Environment III
	Thermoelectrics II

15th February 2019

	Medal Lectures
09.00-09.25 hrs	MRSI-ICSC & Materials Science Annual Prize Lecture (2018)
	Sandeep Verma, IIT, Kanpur
09.25-09.50 hrs	ML-7
	M M Shaijumon, IISER, Thiruvananthapuram
09.50-10.15 hrs	ML-8
	C V Yelamaggad, CENS, Bangalore
10.15-10.40 hrs	ML-9
	G S Vaitheeswaran, University of Hyderabad, Hyderabad
10.40-11.05 hrs	ML-10
	Debabrata Pradhan, IIT, Kharagpur
11.05-11.30 hrs	Tea Break
	Medal Lectures
11.30-11.55 hrs	ML-11
	Sreekumar Kurungot, NCL, Pune
11.55-12.20 hrs	ML-12
	R Jayavel, Anna University, Chennai
12.20-12.45 hrs	ML-13
	M K Jayaraj, CUSAT, Cochin
12.45-13.10 hrs	ML-14 (2018)
	Ranjani Viswanatha, JNCASR, Bangalore
13.10-14-00 hrs	Lunch
14.00-16.00 hrs	Semiconductors, Silicon Germanium, III-V and II-VI II
Parallel Sessions	Graphene I
Invited and Oral	Organic Electronics III
talks	Nanomaterials: Synthesis & Solutions Route II
	Magnetic, Spintronics and Superconductors II
	Thermoelectrics III
	Nitride Electronics III
16.00-16.30 hrs	Tea Break
16.30-18.30 hrs	Semiconductors, Silicon Germanium, III-V and II-VI III
	Graphene II
	Nanomaterials: Synthesis & Solutions Route III
	Magnetic, Spintronics and Superconductors III
	Thermoelectrics IV
	Composites, Light Metals and Alloys III
18.30 onwards	Concluding Function

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Enrolled between August 2018 and January 31, 2019

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CALENDAR OF EVENTS

February 22-23, National Symposium on Nanostructured Materials: Structure, Properties and Applications (NSNM -19) Contact: MS. Parminder Kaur, Convenor, Department of Physics, Kanha Maha Vidyalaya, Jalandhar 144 004, Tel : 9988359752, 9914177169, Email: kmvphy@yahoo.co.in

May 27-31, 2019, IUMRS-ICAM Spring Meeting, The International Conference on Advanced Materials, Nice, France, contact : emrs@european-mrs.com

June 23-28, 2019, IUMRS-ICMAT 2019, The International Conference on Materials for Advanced Technologies, Marina Bay Sands, Singapore, Website: <https://icmat2019.mrs.org.sg/>

September 13-17, 2019, IUMRS-ICEM 2019, The International Conference on Electronic Materials, Guassu Falls, Brazil, Website : <https://iumrs-ica2019.com/>

Members are requested to give information about the conferences/symposia/workshops they are organizing well in advance so that the same can be inserted in the “calendar of events”

Patron Membership

Professional Societies, Research bodies, Laboratories and Companies willing to support activities of MRSI (through a one-time contribution of Rs. 1,00,000- are enrolled as Patron members by the Council of the MRSI.

Privileges of Patron Members:

- Publication of their names in MRSI Newsletter
 - Bulletin of Materials Science / MRSI Newsletter
 - MRSI Update
- Free supply of all periodicals published by MRSI such as:

-	Symposium proceedings at prices applicable to members
-	Display of Company Literature free of charge at MRSI meetings
-	Discounts on advertisements in Newsletter
-	Advance notification of programmes and events
-	Free employment Advertisements in the MRSI Newsletter
-	Registration of 2 company representatives in each society meeting at member registration rates

We appeal to all organizations /laboratories/companies involved in the R&D/Educational activities of Materials Science and Technology to become Patron members.

Request for Patron membership may be made to:

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