



MRSI Newsletter

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for circulation amongst its members*

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From the Editors' Desk

The editorial by Abelson on "Domestic Exploration for Materials" [Science 201, 7 (1978)] and the article by Wingerson on "The Need for Materials" [Science 201, 1081 (1978)] concern about the scarcity of materials in future. According to Abelson, "A civilization with a high standard of living is dependent on adequate supplies of many kinds of materials." Wingerson quote "In the longer term, policies are needed that will specifically encourage the design of products that are durable and can be easily repaired and recycled." As suggested by Wingerson, a national management policy is needed that would minimize the use of virgin materials.

Very recently, researchers have demonstrated source materials for continuous supply of vapors. The source does not degrade with time and hence, can be reused. The work has been published in Scientific Reports 3, 1172 (2013). Growth of ultralong nanowires and the reuse of the source materials have been reported.

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 13, Number 2
April 2013

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:

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MRSI Newsletter

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Awards & Distinctions Conferred on Members

We are happy to report that the following members of Materials Research Society of India have received awards and distinctions shown against their names. MRSI congratulates them.

G Parthasarathy Fellow, Indian National Science Academy

N Lakshminarasimhan CSIR-Young Scientist Award in Chemical Sciences (2012)

P.S: Members are requested to communicate to the Editorial office about the Awards, Honours and Distinctions they have received from various agencies.

Minutes of the 24th Annual General Meeting of MRSI

The Twenty Fourth Annual General Body Meeting of Materials Research Society of India was held on Tuesday, the 11th February 2013 at the Green Room, Homi Bhabha Building, Indira Gandhi Centre for Atomic Research, Kalpakkam.

The President, Dr. G Sundararajan welcomed the members and conducted the AGM.

Prof. S B Krupanidhi, Vice President-General Secretary presented the Annual report of MRSI for the year 2012. Some aspects of the report are given below.

1. The APAM India Chapter held its meeting at Kalpakkam on 12th February, 2013.
2. The following papers have been adjudged as the best papers in the Bulletin of Materials Science for the year 2012.
 - a. Pd grating obtained by direct micromolding for use in high resolution optical diffraction based sensing” by Ritu Gupta and Giridha U Kulkarni, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Vol (35) No. 5, October 2012, pp. 773-779.
 - b. Effect of TiO₂ nanotube length and lateral tubular spacing on photovoltaic properties of back illuminated dye sensitized solar cell” by Shantikumar V Nair, A Balakrishnan, K R V Subramanian, A M Anu, A M Asha and B Deepika, Nano Solar Division, Amrita Centre for Nanosciences, Kochi. Vol (35), No. 4, August 2012, pp 489-493.
3. The statement of accounts for the year 2011-12 and the Provisional statement as on 31.12.2012 were presented at the AGM.
4. The following scientists have been elected as Honorary Members of MRSI for the year 2012.
 - i. Prof. Chunli Bai (Chinese Academy of Sciences, China)
 - ii. Prof Chad Mirkin. (Northwestern University, USA)
5. The 25th Annual General Meeting of MRSI will be held at IISc, Bangalore during February 2014. This would be organized by MRSI.

The meeting concluded with a vote of thanks to the chair.

REPORT ON THE 24th AGM OF MRSI

The 24th Annual General Meeting (AGM) of the Materials Research Society of India (MRSI) was held at the Indira Gandhi Centre for Atomic Research, Kalpakkam, during February 11-13, 2013. Prof. C.N.R. Rao, National Research Professor & Linus Pauling Research Professor, JNCASR, Bangalore addressed the gathering of over 300 Materials Scientists from all over the Country.

The MRSI-AGM had included honour lectures that included the International Materials Science and Technology Award Lecture by Prof. Richard Friend, University of Cambridge; Distinguished Materials Scientist of the year award Lecture by Dr. T. Ramasami, Secretary, DST; MRSI Distinguished Lectureship Award Lecture by Dr. Suresh Das, NIIST, Trivandrum and C.N.R. Rao Prize lecture in Advanced Materials by Prof. Milan Sanyal, SINP. The MRSI-ICSC Superconductivity and Materials Science Annual Prize lectures were delivered by Dr. R. Muraleedharan, SSPL and Shri. M.P. Janawadkar, IGCAR, and there were 14 MRSI Medal lectures at the MRSI-AGM. About 150 contributed poster papers covering the latest research on various aspects of materials science were presented at the MRSI-AGM. A special session on Exotic Materials under the Asia Pacific Academy of Materials (APAM), was conducted by Prof. O.N. Srivastava, BHU, during the MRSI-AGM

As a part of the MRSI-AGM, a theme symposium on “*Advanced Materials for Energy Applications*” was conducted, in which lectures were delivered by Dr. S. Banerjee, DAE Homi Bhabha Chair Professor, Mumbai, Dr. Baldev Raj, President-Research, PSG Institutions, Coimbatore, Dr. R. C. Budhani, NPL, New Delhi and Prof. Satish Vitta, IIT-B, Mumbai. A special evening talk on “The Development of Solar Energy in India” was delivered by Dr. Anil Kakodkar, DAE Homi Bhabha Chair Professor, Mumbai.

The MRSI-AGM at Kalpakkam, that provided a rich fare of excellent talks on various facets of Materials Science, was widely appreciated.

Delegates of the MRSI-AGM-2013 at Kalpakkam



Dr C S Sundar
Chairman-24th AGM-MRSI

NOTIFICATION

- The life membership fees of MRSI has been increased to Rs. 3000/-. This is effective from 1st April, 2013.
- The Annual membership fee has been increased to Rs. 300/-. This is also effective from 1st April 2013.
- **Student membership fees.** The students could become members of MRSI by paying Rs. 1000/- for a period of 5 years. Any time during this period, the students could convert to life members by paying the difference amount of the membership fees.

ANNOUNCEMENT

- ❖ A review of the functioning of the local chapters and subject groups of MRSI was discussed during the council meeting of MRSI held at Bhopal during February 2011. Accordingly, all those chapters who are interested in conducting their annual activities can make a proposal to MRSI, including the budget required for the year 2012-13 and accordingly, the seed money would be sanctioned to the chapters for conducting their activities. Please note that the council decided to consider a maximum of 3 chapter activities per year for sanctioning the seed money. All the proposals from the local chapters will have to reach MRSI office on or before **July 31st, 2013**.

ANNOUNCEMENT

To mark the Silver Jubilee year of MRSI, we are planning to issue membership cards to all its members. Kindly use the format given hereunder to update your details and send the same by return mail (membership@mrsi.org.in). You are also requested to affix your recent photograph in the format.

Members who have already responded to our email may kindly ignore this.

FORMAT

photograph

NAME	
MEMBERSHIP NUMBER	
MAILING ADDRESS	
TELEPHONE	
FAX	
EMAIL	
DATE OF JOINING MRSI	
MRSI CHAPTER YOU COME UNDER	
AREAS OF INTEREST	



IUMRS – ICA 2013

December 16-20, 2013
Indian Institute of Science
Bangalore 560 012, India



Conference Chair

Prof. S B Krupanidhi
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IMPORTANT DATES

Preregistration opens:	15th February 2013
Abstract Submission opens:	1st May 2013
Abstract Submission closes:	31st July 2013
Communication of acceptance: of Abstract	2nd September 2013
Online registration with payment: opens	1st Aug 2013
Online registration with payment closes:	15th November 2013

New Members
Enrolled between January 1 and March 31, 2013

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CALENDAR OF EVENTS

16-20, December, 2013, IUMRS International Conference in Asia (IUMRS-ICA 2013), Indian Institute of Science, Bangalore 560 012, India, Website: www.iumrs-ica2013.org.in

5-6 September 2013, First Asia Pacific Rubber Conference (APRC) 2013, Associate Professor Dr. Charoen Nakason, Chairman for APRC2013, Vice president for Prince of Songkla University, Surat Thani Campus, Director-Center of Excellence in Natural Rubber Technology, Prince of Songkla University, Surat Thani, THAILAND, Mobile +66 89 6585826, website: <http://www2.surat.psu.ac.th/aprc/index.php>

12-14 February 2014, 25th Annual General Meeting of MRSI, Indian Institute of Science, Bangalore 560 012. More details will follow.

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. 50,000/- 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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Book Post / Newsletter

From:

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