



MRSI Newsletter

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

Volume B 08, Numbers 3 & 4

July & October 2008

From the Editors' Desk



First of all, we would like to thank the preceding editors, Professor H L Bhat, Dr. R V Krishnan and Dr. T G Ramesh on behalf of MRSI for their great dedication and hard work over the past few years.

The editors take this opportunity to wish all the members of MRSI a very happy, prosperous and successful new year ahead.

The 20th Annual General Body Meeting of MRSI will be held during February 10-12, 2009 at Saha Institute of Nuclear Physics, Kolkata. This issue contains the list of MRSI award winners for the year 2009. The awards will be conferred at the AGM.

The issue also lists few important articles on materials science from July 2008 onwards. Hope this will benefit the readers of the MRSI Newsletter.



K K Nanda
Satish Patil
Editors

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

www.igcar.ernet.in/mrsi

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MRSI NEWSLETTER

Volume B 08, Numbers 3 & 4

July & October 2008

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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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.

- K L Chopra**
1. 'Padma Shri', Government of India
 2. Distinguished Engineering Educator Award by Indian Society of Mechanical Engineers
 3. Plaque of Honour by Photovoltaic Community of India for lifetime contributions to the science and technology of Thin-Film Solar Cells
- J Narayana Das** Distinguished Alumnus Award, Indian Institute of Technology, Madras (2007)
- R P Singh**
- (i) Medal of Merit from FA University of Erlangen – Nuremberg, Germany
 - (ii) National Representative for IUPAC POLYMER Division
- S P Yawale** 'Utkrushta Seva Gaurav Award' of Sant Gadge Baba Amravati University, Amravati
- A K Tyagi** 'Homi Bhabha Science and Technology Award' Department of Atomic Energy
- G Parthasarathy** 'M R Srinivasa Rao Award', Geological Society of India-2008

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

MRSI AWARDS FOR 2009

The MRSI Awards and Prizes for the year 2009 have been announced. The awardees will deliver lectures at the 20th AGM of MRSI to be held at Kolkata during February 10-12, 2009.

Distinguished Materials Scientist of the year award	Dr. Baldev Raj, IGCAR, Kalpakkam
MRSI-ICSC Superconductivity and Materials Science Annual Prizes	Dr. C P Sharma, SCTIMST, Thiruvananthapuram Dr. H S Maiti, CGCRI, Kolkata
MRSI Distinguished Lecturership Award	Dr. R P Singh, Pune
MRSI Medal Awardees	
Dr. Absar Ahmad, NCL, Pune	Dr. Shantikumar Nair, Amrita Institute, Kochi
Prof. A Basu Mallick, BESU, Howrah	Dr. M T Sebastian, NIIST, Thiruvananthapuram
Dr. S K Bhaumik, NAL, Bangalore	Prof. Subodh Kumar De, IACS, Kolkata
Dr. Karabi Das, IIT, Kharagpur	Prof. Subhasis Ghosh, JNU, New Delhi
Dr. T. Prem Kumar, CECRI, Karaikudi	Dr. Tata Narasinga Rao, ARC-I, Hyderabad
Prof. A. Sundaresan, JNCASR, Bangalore	Dr. B V R Tata, IGCAR, Kalpakkam
Dr. S Sethuraman, CeNTAB, Thanjavur	Prof. Uday Maitra, IISc, Bangalore

MRSI AGM 2009

The 20th AGM of MRSI is being held at Saha Institute of Nuclear Physics, Kolkata during 10-12 February 2009. The AGM would include Medal Lectures, MRSI Honour Lectures and MRSI-ICSC Award Lectures along with the contributed poster papers covering the latest work of materials science community of the country. MRSI-AGM would also include a theme symposium on ***New Generation Composites and Hybrid Materials: Concepts to Applications***. The MRSI-AGM will take stock of the latest developments in the field of materials worldwide and within the country as well and to formulate guidelines for further research and development in the country.

The first announcement of the 20th AGM has been released. Members of MRSI and other scientists/technologists/students are encouraged to send abstracts of contributed papers to: **The 20th MRSI AGM Secretariat, Prof. N R Bandyopadhyay, Chairman, Bengal Engineering and Science University, Shibpur, Howrah 711 103 Tel: 033-26688140, Fax:033-26682916/9925, Email:nrb@matsc.becs.ac.in, or Dr. A K Mukhopadhyay, Convenor, Central Glass & Ceramic Research Institute, Kolkata 700 032, Tel: 033-24733469/76/77, Email: dranoopkumar@gmail.com**

Few Important Articles

Unconventional superconductivity in $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ from inelastic neutron scattering, A.D. Christianson *et al.*, Nature 456, 930 (2008)

Electric field control of the $\text{LaAlO}_3/\text{SrTiO}_3$ interface ground state, A.D. Caviglia *et al.*, Nature 456, 624 (2008)

Electric-field-induced spin flop in BiFeO_3 single crystals at room temperature, D. Lebeugle *et al.*, Phys. Rev. Lett. 100, 227602 (2008)

Nanoscale chemical imaging of a working catalyst by scanning transmission X-ray microscopy, E. de. Smit *et al.*, Nature 456, 222 (2008)

Twinning superlattices in indium phosphide nanowires, R.E Algra *et al.*, Nature 456, 369 (2008)

Pliant epitaxial ionic oxides on silicon, D. Kukuruznyak *et al.*, Adv, Mater. 20, 3827 (2008)

Observation of the spin Seebeck effect, K. Uchida *et al.*, Nature 455, 778 (2008)

High-temperature interface superconductivity between metallic and insulating copper oxides, A. Gozar *et al.*, Nature 455, 782 (2008)

Nanoscale magnetic sensing with an individual electronic spin in diamond, J.R. Maze *et al.*, Nature 455, 644 (2008)

Nanoscale imaging magnetometry with diamond spins under ambient conditions, G Balasubramanian *et al.*, Nature 455, 648 (2008)

Enhancement of thermoelectric efficiency in PbTe by distortion of the electronic density of statesJ.P. Heremans *et al.*, Science 321, 554 (2008)

Colossal ionic conductivity at interfaces of epitaxial $\text{ZrO}_2:\text{Y}_2\text{O}_3/\text{SrTiO}_3$ heterostructuresJ. Garcia-Barriocanal *et al.*, Science 321, 676 (2008)

Three-dimensional optical metamaterial with a negative refractive index, J. Valentine *et al.*, Nature 455, 376 (2008)

Doping a semiconductor to create an unconventional metal, N. Manyala *et al.*, Nature 454, 976 (2008)

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AN UPDATE OF MRSI ACTIVITIES (2007-08)

The MRSI Update is a consolidated statement of the major activities and achievements of MRSI. The MRSI has completed 19 years of activity and in this update, the following information is given.

Membership status
Awards & Honours
Information Collection & Dissemination System
Publications
International Cooperation
Annual General Meetings

Membership Status

MRSI has the following classes of membership. The status as on June 30, 2008 is:

Life Members	:	2148
Annual Members	:	47
Honorary members	:	152
Patron members	:	83

Awards and Honours

Distinguished Materials Scientist of the Year Award

DISTINGUISHED MATERIALS SCIENTIST OF THE YEAR AWARD is the highest MRSI award. The chosen scientist delivers special Honour Lecture on the occasion of the MRSI Annual Meeting.

Prof. S Ramaseshan (1990)
Prof. E C Subba Rao (1991)
Prof. T R Anantharaman (1992)
Prof. C N R Rao (1993)
Dr. M S Valiathan (1994)
Prof. K L Chopra (1995)
Dr. R Chidambaram (1996)
Dr. Paul Ratnasamy (1997)
Dr. P Rama Rao (1998)
Prof. C V Sundaram (1999)
Dr. R A Mashelkar (2000)
Prof. S Ranganathan (2001)
Prof. K J Rao (2002)
Prof. A K Barua (2003)
Prof. T V Ramakrishnan (2004)
Prof. K T Jacob (2005)
Prof. N Kumar (2006)
Dr. V K Aatre (2007)
Dr. S Banerjee (2008)

MRSI-ICSC Superconductivity and Materials Science Award (Senior)

Prof. CNR Rao, (JNCASR, Bangalore) (1993)
Dr. P Rama Rao, (UOH, Hyderabad) (1996)
Dr. S K Joshi, (NPL, New Delhi) (1999)
Dr. M S Valiathan (MAHE, Manipal) (2002)
Prof. P Ramachandra Rao (BHU, Varanasi) (2005)
Dr. J V Yakhmi (BARC, Mumbai) (2008)
This prize is awarded once in three years

MRSI Distinguished Lecturership Award

Dr. M.S. Valiathan (SCTIMST, TRV) (1993-1994)
Prof. S. Ranganathan (IISc, Bangalore) (1995-1996)
Prof. G.V. Subba Rao (CECRI, Karaikudi) (1997-1998)
Dr. P. Ramachandra Rao (NML, Jamshedpur) (1999-2000)
Dr. P. Rodriguez (IGCAR, Kalpakkam) (2001-2002)
Dr. S. Sivaram (NCL, Pune) (2003-2004)
Prof. S. Dattagupta (SNBNCBS, Kolkata) (2005-2006)
Dr. A K Singh (NAL, Bangalore) (2007-2008)
This prize is awarded once in two years

MRSI-ICSC Super Conductivity and Materials Science Annual Prize Winners

These prizes are awarded annually to two scientists.

Dr. A V Narlikar, NPL, New Delhi (1991)
Prof. G V Subba Rao, IIT, Madras (1991)
Prof. S B Ogale, UOP, Pune (1992)
Prof. J Gopalakrishnan, IISc, Bangalore (1992)
Dr. P Chaddah, CAT, Indore (1993)
Dr. A K Gupta, NPL, New Delhi (1993)
Prof. S K Malik, TIFR, Mumbai (1994)
Dr. P Ganguly, NCL, Pune (1994)
Prof. L C Gupta, TIFR, Mumbai (1995)
Dr. D. Chakravorty, IACS, Kolkata (1995)
Prof. K J Rao, IISc, Bangalore (1996)
Dr. J V Yakhmi, BARC, Mumbai (1996)
Prof. A K Barua, IACS, Kolkata (1997)
Dr. Anil Kakodkar, BARC, Mumbai (1997)
Dr. P Rodriguez, IGCAR, Kalpakkam (1998)
Prof. R Vijayaraghavan, TIFR, Bombay (1998)
Dr. Y R Mahajan, ARC-I, Hyderabad (1999)
Dr. T S Radhakrishnan, IGCAR, Kalpakkam (1999)
Dr. N V Madhusudana, RRI, Bangalore (2000)
Dr. C K Gupta, BARC, Mumbai (2000)
Dr. S K Sikka, BARC, Mumbai (2001)
Dr. D Banerjee, DMRL, Hyderabad (2001)
Prof. P Ramachandra Rao, NML, Jamshedpur (2002)
Prof. A K Raychaudhuri, IISc, Bangalore (2002)
Dr. S Banerjee, BARC, Mumbai (2003)
Dr. B M Arora, TIFR, Mumbai (2003)
Prof. Dhananjai Pandey, BHU, Varanasi (2004)
Prof. S B Krupanidhi, IISc, Bangalore (2004)
Dr. Baldev Raj, IGCAR, Kalpakkam (2005)
Prof. G. Ananthakrishna, IISc, Bangalore (2005)
Prof. A K Shukla (IISc, Bangalore & CECRI, Karaikudi) (2006)
Dr. G Sundararajan (ARC-I, Hyderabad) (2006)
Prof. M K Surappa (IISc, Bangalore) (2007)
Dr. C S Sundar (IGCAR, Kalpakkam) (2007)
Dr. K S Narayan (JNCASR, Bangalore) (2008)
Prof. V Ramgopal Rao (IIT-Mumbai) (2008)

MRSI Medal Lectures

MRSI Medals are awarded in recognition of excellence in a particular field of expertise within the domain of materials and processes. Recipients of these medals are invited to deliver lectures at the MRSI Annual Meeting. So far 276 Medals have been awarded. The MRSI Medal winners for the years 1990 to 2008 are listed below:

1990

Prof. S. B. Ogale, University of Poona, Pune
Dr. P. Muralidharan, SSPL, Delhi
Prof. S. V. Subramanyam, IISc, Bangalore
Prof. K. Chattopadhyay, IISc, Bangalore
Dr. V. Chandrasekharan, DMRL, Hyderabad
Prof. D. D. Sarma, IISc, Bangalore
Prof. Manu Multani, TIFR, Mumbai
Dr. A. M. Varaprasad, DMSRDE, Kanpur
Prof. G. V. Subba Rao, IIT, Madras
Dr. D. Pandey, BHU, Varanasi
Dr. S. Sivaram, NCL, Pune
Dr. M. K. Sridhar, NAL, Bangalore
Prof. C. Lakkad, IIT, Mumbai
Prof. K. A. Padmanabhan, IIT, Madras
Dr. N. C. Birla, DMRL, Hyderabad
Dr. S. Banerjee, BARC, Mumbai

1991

Prof. S. Ranganathan, IISc, Bangalore
Dr. A. H. Sequeria, BARC, Mumbai
Dr. A. K. Sreedhar, SSPL, New Delhi
Prof. A. K. Barua, IACS, Kolkata
Dr. H. S. Maiti, CGCRI, Kolkata
Prof. R. Srinivasan, IIT, Madras
Prof. B. K. Sadashiva, RRI, Bangalore
Dr. O. P. Bahl, NPL, New Delhi
Dr. D. Banerjee, DMRL, Hyderabad
Dr. J. Mukherji, CGCRI, Kolkata
Prof. D. N. Bose, IIT, Kharagpur
Dr. A. K. Singh, NAL, Bangalore
Dr. S. K. Sikka, BARC, Mumbai
Prof. J. Gopalakrishnan, IISc, Bangalore
Dr. C. K. Gupta, BARC, Mumbai
Dr. P. Rodriguez, IGCAR, Kalpakkam
Dr. V. M. Nadkarni, NCL, Pune

1992

Dr. B. K. Das, NPL, New Delhi
Prof. Vikram Kumar, IISc, Bangalore
Prof. S. Mohan, IISc Bangalore
Prof. G. Ananthakrishna, IISc, Bangalore
Dr. R. Thyagarajan, SSPL, Delhi
Prof. D. Chakravorty, IACS, Kolkata
Dr. Baldev Raj, IGCAR, Kalpakkam
Dr. A. D. Damodaran, RRL, Thiruvananthapuram
Dr. S. R. Rajagopalan, NAL, Bangalore
Dr. Pradip, TRDDC, Pune
Prof. P. Pramanik, IIT, Kharagpur
Dr. Y. R. Mahajan, DMRL, Hyderabad
Dr. G. Sundararajan, DMRL, Hyderabad
Prof. K. T. Jacob, IISc, Bangalore
Prof. P. Ramasamy, Anna Univ. Chennai
Dr. S. P. Garg, BARC, Mumbai
Prof. P. Ganguly, NCL, Pune
Prof. S. Banerjee, NML, Jamshedpur
Dr. R. Sivakumar, SCTIMST, TRV
Dr. N. Balasubramanian, Everest Ltd., Bangalore
Dr. C. G. Krishnadas Nair, HAL, Bangalore

1993

Dr. D. Ganguli, CGCRI, Kolkata
Prof. G. S. Upadhyaya, IIT, Kanpur
Dr. K. C. Patil, IISc, Bangalore
Dr. S. K. Date, NCL, Pune

Dr. L. Madhav Rao, BARC, Mumbai
Dr. Sanak Mishra, SAIL (R & D) Ranchi
Dr. Krishan Lal, NPL, New Delhi
Dr. A. K. Chatterjee, ACC Ltd, Thane
Prof. O. Prabhakar, IIT, Chennai
Dr. S. L. Mannan, IGCAR, Kalpakkam
Prof. K. V. S. Rama Rao, IIT, Chennai
Dr. C. Ganguly, BARC, Mumbai
Dr. R. B. Subramanyam, DMRL, Hyderabad
Prof. K. A. Natarajan, IISc, Bangalore
Dr. A. K. Shukla, IISc, Bangalore
Dr. C. K. Mathews, IGCAR, Kalpakkam

1994

Dr. K. Balakrishnan, CECRI, Karaikudi
Prof. S. V. Bhat, IISc, Bangalore
Prof. S. K. Biswas, IISc, Bangalore
Dr. R. N. Ghosh, NML, Jamshedpur
Prof. V. V. P. Kutumba Rao, BHU, Varanasi
Dr. S. K. Mitra, Tata Steel, Jamshedpur
Dr. T. S. Radhakrishnan, IGCAR, Kalpakkam
Dr. (Mrs). G. Rohini Devi, DRDL, Hyderabad
Dr. C. S. Sundar, IGCAR, Kalpakkam
Prof. M. S. Hegde, IISc, Bangalore
Prof. H. L. Bhat, IISc, Bangalore
Dr. D. Bhattacharya, IIT, Kharagpur
Dr. Sudhir S. Kulkarni, NCL, Pune
Dr. C. Manohar, BARC, Mumbai
Prof. A. K. Pal, IACS, Kolkata
Dr. (Mrs) Indira Rajgopal, NAL, Bangalore
Dr. C. P. Sharma, SCTIMST, Thiruvananthapuram
Prof. S. V. Suryanarayana, OU, Hyderabad

1995

Prof. S. C. Agarawal, IIT, Kanpur
Dr. A. K. Gupta, NPL, New Delhi
Prof. T. R. N. Kutty, IISc, Bangalore
Prof. L. M. Manocha, S. P. University, Vallabh Vidyanagar
Dr. T. K. Mukherjee, BARC, Mumbai
Dr. B. K. Sarkar, CGCRI, Kolkata
Prof. Subrata Ray, Univ. of Roorkee, Roorkee
Prof. Pushpa Bajaj, New Delhi
Dr. Pran Kishan, SSPL, Delhi
Prof. L. K. Malhotra, IIT, New Delhi
Dr. O. N. Mohanty, TISCO, Jamshedpur
Dr. V. S. Raghunathan, IGCAR, Kalpakkam
Prof. S. P. Sengupta, IACS, Kolkata
Prof. Shamsuddin, BHU, Varanasi

1996

Dr. B. M. Arora, TIFR, Mumbai
Prof. A. K. Raychaudhuri, IISc, Bangalore
Dr. A. K. Grover, TIFR, Mumbai
Dr. E. V. Sampath Kumar, TIFR, Mumbai
Dr. S. A. Shivashankar, IISc, Bangalore
Dr. Subhash Chandra, NPL, Pune
Dr. Vikram Jayaram, IISc, Bangalore
Dr. Vijay Kumar, IGCAR, Kalpakkam
Dr. Arun Umarji, IISc, Bangalore
Dr. D. Bahadur, IIT, Mumbai
Prof. T. Nagarajan, Madras University, Chennai
Prof. R. G. Sharma, NPL, New Delhi
Prof. R. P. Singh, IIT, Kharagpur
Dr. K. Vijayamohan, NCL, Pune
Prof. U. V. Varadaraju, IIT, Chennai

1997

Dr. G. Banerjee, CGCRI, Kolkata
 Dr. K. Bhanu Sankara Rao, IGCAR, Kalpakkam
 Dr. A. Jayakrishna, SCTIMST, Thiruvananthapuram
 Dr. V. N. Krishnamurthy, VSSC, Thiruvananthapuram
 Dr. N. G. Nair, IIT, Chennai
 Dr. M. C. Pandey, DMRL, Hyderabad
 Dr. Rameshwar Jha, TISCO, Jamshedpur
 Prof. M. K. Surappa, IISc, Bangalore
 Dr. B P Sharma, BARC, Mumbai
 Dr. B. K. Godwal, BARC, Mumbai
 Prof. T. N. Guru Row, IISc., Bangalore
 Prof. S. B. Krupanidhi, IISc., Bangalore
 Dr. B. M. Mandal, IACS, Kolkata
 Dr. K. S. Narayan, JNCASR, Bangalore
 Prof. R. Pinto, TIFR, Mumbai
 Prof. V. D. Vankar, IIT, New Delhi
 Prof. V. N. Rajasekharan Pillai, M G University Kottayam

1998

Dr. A.K.Jha, RRL, Bhopal
 Prof. B. Viswanathan, IIT, Chennai
 Dr. Neeraj Khare, NPL, Delhi
 Dr. (Ms) Prabha R Chatterjee, ICT, Hyderabad
 Dr. P.R. Vasudeva Rao, IGCAR, Kalpakkam
 Prof. S.N. Kaul, Central University, Hyderabad
 Dr. G.Malakondaiah, DMRL, Hyderabad
 Dr. Om Prakash, BHU, Varanasi
 Dr. Prabha D Nair, SCTIMST, Thiruvananthapuram
 Dr. P.S. Goyal, BARC, Mumbai
 Mr. K.S.Ghosh, TISCO, Jamshedpur
 Dr. K.B. R. Varma, IISc, Bangalore
 Dr. T. Bandyopadhyaya, CGCRI, Kolkata

1999

Dr. R Balasubramanian, IIT Kanpur
 Dr. G V Kulkarni, JNCASR, Bangalore
 Dr. Navin Chand, RRL, Bhopal
 Dr. S K Ray, IGCAR, Kalpakkam
 Dr. K Sreenivas, SCTIMST, Thiruvananthapuram
 Dr. A Venkateswara Rao, Shivaji University Kolhapur
 Dr. Santanu Bhattacharya, IISc, Bangalore
 Dr. M K Banerjee, BEC, Bengal
 Dr. S Natarajan, JNCASR, Bangalore
 Dr. T Rajasekharan, DMRL, Hyderabad
 Dr. S M Sharma, BARC, Mumbai
 Dr. Swati Ray, IACS, Kolkata
 Dr. GVS Sastry, BHU, Varanasi

2000

Dr. R Bhattacharya, NPL, New Delhi
 Prof. Atul Choksi, IISc, Bangalore
 Dr. G P Das, BARC, Mumbai
 Dr. S C Gupta, BARC, Mumbai
 Dr. Y Hariharan, IGCAR, Kalpakkam
 Prof. I Manna, IIT, Kharagpur
 Prof. S N Ojha, BHU, Varanasi
 Dr. A R Raju, JNCASR, Bangalore
 Dr. T G Ramesh, NAL, Bangalore
 Prof. M K Sanyal, SINP, Kolkata
 Prof. Ajay Sood, IISc, Bangalore
 Dr. A K Suri, BARC, Mumbai
 Dr. V K Wadhawan, CAT, Indore

2001

Shri. Chintamani, NFC, Hyderabad
 Dr. A Ghosh, IACS, Kolkata
 Dr. Gurnam Singh, CAT, Indore
 Prof. R Nagarajan, TIFR, Mumbai
 Dr. G J Prasad, BARC, Mumbai
 Dr. K Sheela Ramasesha, NAL, Bangalore
 Dr. B Viswanathan, IGCAR, Kalpakkam
 Dr. G K Dey, BARC, Mumbai
 Dr. A Govindaraj, SSCU, IISc, Bangalore
 Dr. M Jayabalan, SCTIMST, Thiruvananthapuram
 Dr. S K Pabi, IIT, Kharagpur
 Dr. N Ramakrishnan, DMRL, Hyderabad
 Dr. T Ramasami, CLRI, Chennai
 Dr. K G Satyanarayana, RRL, Thiruvananthapuram
 Dr. O M Sreedharan, IGCAR, Kalpakkam

2002

Prof. Ashok Misra, IIT, Bombay, Mumbai
 Dr. Bhuvaneshwar G S, SCTIMST, Thiruvananthapuram
 Dr. Chaplot S L, BARC, Mumbai
 Prof. Damodara Das V, IIT, Madras, Chennai
 Prof. Devendra Kumar, BHU, Varanasi
 Kumar A N, Indian institute of Technology, Delhi
 Majumdar S D, ACC, Thane
 Pawar S H, Shivaji University, Kolhapur
 Prof. Pradeep T, IIT, Madras, Chennai
 Prof. Ramakrishnan S, IISc, Bangalore
 Dr. Shobhana Narasimhan, JNCASR, Bangalore
 Prof. Shrikant V Joshi, ARC-I, Hyderabad
 Dr. Subramanian P N, VSSC, Thiruvananthapuram

2003

Dr. Amarnath Sen, CGCRI, Kolkata
 Dr. Bharathi A, IGCAR, Kalpakkam
 Prof. Bhupendra N Dev, Institute of Physics, Bhubaneswar
 Prof. Devang V Khakhar, IIT, Mumbai
 Prof. Jyothindra Kumar K, Govt. Dental College,
 Thiruvananthapuram
 Dr. Kothiyal G P, BARC, Mumbai
 Dr. Maitra A N, Univ. of Delhi, Delhi
 Dr. Mitra R, IIT, Kharagpur
 Dr. Murali Sastry, NCL, Pune
 Prof. Narayanasamy A, Univ. of Madras, Chennai
 Dr. Pillai C K S, RRL, Thiruvananthapuram
 Prof. Sekhon S S, Guru Nanak Dev Univ, Amritsar
 Prof. Shanker Ram, IIT, Kharagpur

2004

Dr. B. C. Pai, RRL, Thiruvananthapuram
 Dr. Debabrata Basu, CGCRI, Kolkata
 Prof. A.K. Nandi, IACS, Kolkata
 Prof. B.S. Murty, IIT, Kharagpur
 Dr. Suman Kumari Mishra, NML, Jamshedpur
 Prof. B.R. Mehta, IIT, Delhi
 Dr. Pushan Ayyub, TIFR, Mumbai
 Dr. V. Venugopal, BARC, Mumbai
 Dr. M. Vijayalakshmi, IGCAR, Kalpakkam
 Dr. S.C. Jain, NFC, Hyderabad
 Dr. R.M.V. Gopalakrishna Rao, NAL, Bangalore
 Dr. B.D. Malhotra, NPL, Delhi
 Dr. T.L. Prakash, C-MET, Hyderabad

2005

Dr. Arvind Sinha (NML, Jamshedpur)
 Dr. Balasubramanian S (JNCASR, Bangalore)
 Dr. Budhani R C (IIT, Kanpur)
 Prof. Byrappa K (Mysore University, Mysore)
 Prof. Chandrasekaran S (IISc, Bangalore)
 Dr. Goutam De (CGCRI, Kolkata)
 Dr. Kulshreshtha S K (BARC, Mumbai)
 Dr. Radhakrishnan S (NCL, Pune)
 Dr. Sulabha Kulkarni (Pune University, Pune)
 Prof. Subhadra Chaudhuri (IACS, Kolkata)
 Dr. Tyagi A K (BARC, Mumbai)
 Dr. Umesh Waghmare (JNCASR, Bangalore)

2006

Dr. Amlan J Pal, IACS, Kolkata
 Dr. Ganguli A K, IIT, Delhi
 Dr. George Thomas K, RRL, Thiruvananthapuram
 Prof. Kashyap B P, IIT, Mumbai
 Dr. Muraleedharan Nair K G, IGCAR, Kalpakkam
 Dr. Patra A. CGCRI, Kolkata
 Dr. Poonam Tandon, Lucknow University, Lucknow
 Prof. Sampath S, IISc, Bangalore
 Dr. Sharada Srinivasan, NIAS, Bangalore
 Dr. Shivaprasad, S M, NPL, New Delhi
 Prof. Siddhartha Das, IIT, Kharagpur
 Dr. Srikanth S, NML, Chennai
 Dr. Swapan Pati K, JNCASR, Bangalore
 Dr. Upendra Natarajan, NCL, Pune

2007

Dr. Ajayaghosh A, RRL, Thiruvananthapuram
 Dr. Ashim Kumar Mukhopadhyay, DMRL, Hyderabad
 Dr. Ashok M Raichur, IISc, Bangalore
 Dr. Basu R N, CGCRI, Kolkata
 Dr. Chacko Jacob, IIT Kharagpur
 Dr. Chandrabhas N, JNCASR, Bangalore
 Dr. Parthasarathi G, NGRI, Hyderabad
 Dr. Pathak L C, NML, Jamshedpur
 Prof. Ranganathan R, SINP, Kolkata
 Dr. Subrata Chatterjee, Bengal Engg & Sci University, Howrah
 Dr. Sujeet Chaudhary, IIT-Delhi, New Delhi

2008

Dr. D P Amalnerkar, C-MET, Pune
 Prof. Arun Chattopadhyay, IIT, Guwahati
 Dr. Ashok Kumar Ray, NML, Jamshedpur
 Dr. Dilshad Akhtar, DMRL, Hyderabad
 Dr. R K Kotnala, NPL, New Delhi
 Prof. Y N Mohapatra, IIT-Kanpur
 Prof. N K Mukhopadhyay, BHU, Varanasi
 Prof. S K Ray, IIT, Kharagpur
 Dr. P Sujatha Devi, CGCRI, Kolkata
 Dr. Suresh Das, RRL, Thiruvananthapuram
 Dr. A K Tyagi, IGCAR, Kalpakkam
 Dr. S M Yusuf, BARC, Mumbai

BEST PAPER PRIZE (For publication in the Bulletin of Materials Science)

1990:

“A cold model study of mass transfer in Q-BOP” by Prof. S L Malhotra, Dr. S Singh and Dr. N Prasad, BHU, Varanasi, Bulletin of Materials Science, Vol. 12 (1989), p 369

1991:

“Thermodynamic properties of Pt₅La, Pt₅Ce, Pt₅Pr, Pt₅Tb and Pt₅Tm, intermetallics” by Prof. K T Jacob, IISc, Bangalore and Prof. Y Waseda, Tohoku University, Sendai, Japan, Bulletin of Materials Science, Vol. 13, (1990), p 235

1992:

“Ordered structures in ternary hcp alloys” by Prof. S Lele and Dr. A K Singh, BHU, Varanasi, Bulletin of Materials Science, Vol. 14 (1991), p 11

1993:

“Dynamic Fracture Mechanics-A scientific tool for the prevention of catastrophic Failure” by Dr. R Krishna Kumar, Dept. of Mechanical Engineering, Indian Institute of Technology, Madras, Bulletin of Materials Science, Vol. 15 (1992), p 55

1994:

“EXAFS: Determination of Cation Distribution in Spinel” by Dr. G M Bhongale, Dr. D K Kulkarni, Dept. of Physics, Institute of Science, Nagpur and Dr. V B Sapre, Dept. of Physics, Nagpur University, Nagpur, Bulletin of Materials Science, Vol. 16 (1993), p. 243

1995:

“The role of additives in a complex lithium silicate glass ceramic” by Prof. R N Das, Prof. B K Chandrashekar, Ceramic Technological Institute, Bharat Heavy Electrical Ltd, Bangalore & Prof. K J Rao, Materials Research Centre, Indian Institute of Science, Bangalore, Bulletin of Materials Science, Vol. 17 (1994), p 59

1996: No prize was given in 1996.

1997:

“Crystallization of glass in Fireclay Refractories” by Dr. S P Choudhury and Dr. T Dutta, CGCRI, Kolkata, Part II and Part III, Bulletin of Materials Science, Vol. 19 (1996), p 373.

1998:

‘A New inexpensive method for the preparation of acicular precursors for magnetic recording media’ by M R Anantharaman, K V Joseph and H V Keer, Dept. of chemistry, IIT, Mumbai, Bulletin of Materials Science, Vol. 20, (1997), p 975.

1999:

“Short term tissue response to carbon fibre : A preliminary *in vitro* and *in vivo* study’ by Mira Mohanty, T V Kumary, Division of Pathophysiology, SCTIMST, Thiruvananthapuram, Arthur V Lal, Vivarium & Materials Group, SCTIMST, Thiruvananthapuram and R Sivakumar, Biomedical Technology Wing, SCTIMST, Thiruvananthapuram, Bulletin of Materials Science, Vol. 21 (6) (1998), p 439.

2000:

‘Transmission Electron Microscopy and X-ray diffraction studies of Quantum Wells’, by D V Sridhara Rao, L Muraleedharan, Electron Microscopy Group, DMRL, Hyderabad, G K Dey, Materials Science Division, BARC, Mumbai, S K Halder, G

Bhagavannarayan, Materials Characterization Division, NPL, New Delhi, P Banerji, D Pal and D N Bose, Advanced Technology Centre, IIT, Kharagpur, Bulletin of Materials Science, Vol 22, No. 6, October (1999), pp. 947.

2001:

'Helium implanted AlHf as studied by ^{181}Ta TDPAC' by R Govindaraj, Materials Science Division, IGCAR, Kalpakkam, K P Gopinathan, Dept. of Physics, Cochin University of Science & Technology, Cochin and B Viswanathan, Materials Science Division, IGCAR, Kalpakkam, Bulletin of Materials Science, Vol. 23, No. 3, June (2000), p 201

2002:

'Non Equilibrium Solidification of undercooled droplets during Atomization Process' by Prasanth Shukla, R K Mandal and S N Ojha, Centre for Advanced Study, Dept. of Metallurgical Engineering, Banaras Hindu University, Varanasi 221 005, Bulletin of Materials Science, Vol 24 (2001) p. 547.

2003:

'Preliminary *in vitro* and *in vivo* characterizations of a sol-gel derived bio-active glass ceramic system' by S Abhiraman, H K Varma, T V Kumari, P R Umashankar and Annie John, Biomedical Technology Wing, Sree Chitra Tirunal Institute of Medical Sciences & Technology, Thiruvananthapuram, Bulletin of Materials Science, Vol 25 (5) (2002), p 419.

2004:

'Development of fully Injectable Calcium Phosphate Cement for Orthopedic and Dental Applications' by Manoj Komath and H K Varma, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram, Bulletin of Materials Science, Vol 26 (4), (2003), p 415.

2005:

'Fabrication of silicon based glass fibres for optical communication' by Vivek P Kude, Department of Applied Physics, MGM College of Engineering, Nanded and R S Khairnar, School of Physical Sciences, SRTMU, Vishnupuri, Nanded, Bulletin of Materials Science, Vol 27 (1), February 2004, pp 73-77.

2006:

'Polyvinyl alcohol-cellulose composite: a taste sensing material' by Sarmishtha Majumdar and Basudam Adhikari, Materials Science Centre, Indian Institute of Technology, Kharagpur 721 302 Bulletin of Materials Science, Vol (28), No. 7, December 2005, pp. 703-712.

2007:

'Functional finishing in cotton fabrics using zinc oxide nanoparticles' by A Yadav, Virendra Prasad, A A Kathe, Sheela Raj, Deepti Yadav, C Sundaramoorthy and N Vigneshwaran, Nanotechnology Group, Central Institute for Research on Cotton Technology, Mumbai 400 019, Bulletin of Materials Science, Vol (29), No. 6, November 2006, pp. 641-645.

2008:

'Effect of size of copper nanoparticles on its catalytic behaviour in Ullman reaction' Mohd. Samim, N K Kaushik and Amarnath Maitra, Department of Chemistry, University of Delhi, Delhi 110 007, Bulletin of Materials Science, Vol 30 (2007) p.535

BEST POSTER PRIZES

2004:

'MTMS based Superhydrophobic Silica Aerogels' by Manish M Kulkarni and A Venkateswara Rao, Dept. of Physics, Shivaji University, Kolhapur.

Modifications to the Phase Diagram of $(1-x)\text{Pb}[(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3]_x\text{PbTiO}_3$ Ceramics' by Akhilesh Kumar Singh, Dhananjai Pandey and Oksana Zaharko, Banaras Hindu University, Varanasi.

'Photoimageable conductor Composition for high Density Electronic Packaging of Smart Devices & Allied Subsystems' by Govind G Umarji, Supriya A Ketkar, R Marimuthu, G J Phatak, T Seth, D P Amalnerkar and U P Mulik, C-MET, Pune.

'Spin Probe ESR Studies of PEG_xLiClO₄ Solid Polymer Electrolyte Systems' by Shrivalli N Bhat, Ajay Sharma, S Srinivas Rao and S V Bhat, Dept. of Physics, Indian Institute of Science, Bangalore.

2005:

'Synthesis and characterization of Silica-Titania core-shell Particles' by Kalele S, Dey R.M., Hebalkar N., Godavi S. and Kulkarni S.K., Dept. of Physics, University of Pune

'Field Emission Characteristics of Rose petal like Nanostructured carbon thin films grown by MPECVD Process' by Srivastava S.K., Shukla A.K., Vanker V.D. and Kumar V, Department of physics, Indian Institute of Technology and National Physical Laboratory, Pusa, Delhi

'Synthesis and characterization of Zinc oxide Nanoparticles' by Ashtaputre, S.S., Marathe S.K., Gosavi S.W., and Kulkarni S.K., Dept. of Physics, Pune University

'Effect of Curing Temperature and Fibre Loading on the swelling behavior of Isora fibre reinforced Natural rubber Composites in oils used in automobiles' by Lovely Mathew, Joseph K.U. and Rani Joseph Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin

2006:

'Nanotechnology via Solution Chemistry' by Shobhit C and Khanna P K, C-MET, Pune

'Superhydrophilic and Photocatalytic properties of Sol-Gel TiO₂ Thin Films on Glass' by Mahata S and Kundu Debtosh, CGCRI, Kolkata

'Observation of TO₁ soft mode in SrTiO₃ thin films by THZ-time domain spectroscopy' by Misra M, University of Lucknow,

Lucknow, Kotani K, Kawayama I, Murakami H and Tonouchi M, Osaka University, Japan

‘Stabilization of high temperature form of Orthorhombic CaCO_3 using reserve Micelles: source of Calcium Oxide Nanoparticles’ by Ahmed J, Vaidya S, Ahmad T and Ganguli A K, Dept. of Chemistry, IIT-Delhi, New Delhi

‘Studies on the performance of Cardanal based adhesives on different Substrates’ by V Lity Allen, and Thachil Eby Thomas, Cochin University of Science and Technology, Kochi

‘A new phase boundary in the phase diagram of $(1-x)[\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3]_x\text{PbTiO}_3$ ’ by Singh AK, Singh SP and Pandey D, BHU, Varanasi

2007:

‘Patterned silicon wafer for nanostructure growth’ S K Panda and C Jacob, Materials Science Centre, Indian Institute of Technology, Kharagpur.

‘Characterization of structural and magnetic transitions in Ni-Mn-Ga Heusler type alloys’ Ranjan Kumar Singh, R Gopalan, R P Mathur, P Ghosal, V Chandrasekaran, Defence Metallurgical Research Laboratory, Hyderabad and M Shamsudin, Department of Metallurgical Engineering, Banaras Hindu University, Varanasi.

‘Controllable tungsten oxide thin film nanostructures as cathodes for electrochromic smart windows’ M Deepa, Govind, S M Shivaprasad, Shahzada Ahmad and A K Srivastava, National Physical Laboratory, Dr. K S Krishnan Road, New Delhi.

‘Ultra high purification of gallium through multi-step processing for opto-electronic device applications’ U Rambabu, N R. Munirathnam and T L Prakash, Centre for Materials for Electronics Technology, Hyderabad.

‘Preparation and characterization of b-PVDF films’ Anjana Jain, Kalyan Sundaram, V Vedha Prakash, National Aerospace Laboratories, Bangalore and H.H. Kumar, ARDE, Pashan, Pune

‘Effect of Mn^{III} acetylacetonate complexes on the hydrophilicity of nanocrystalline sol-gel derived TiO_2 films by dip-coating technique’ Ravi Ranjan Pandey, C P Sharma, K K Saini, Vinod Tanwar, Chandra Kant, Davinder Singh, Balbir Singh, National Physical Laboratory, Dr. K S Krishnan Road, New Delhi and Man Singh, Department of Chemistry, Chemistry Research Lab, Deshbandhu College, University of Delhi, New Delhi.

2008:

‘Ultra High Purity Gallium (99.99999 % / 7N) for Opto and Micro Electronics Device Applications – An Indigenous Effort’ U Rambabu and T L Prakash, C-MET, Hyderabad

‘TG-DT Analysis for Carbon Assisted Synthesis of C:MgB_2 ’ B B Sinha, S C Chougale and S H Pawar, Shivaji University, Kolhapur

‘Optical and Switching Studies on Near-Stoichiometric Nd:Zn:LiNbO_3 Crystals’ J N Babu Reddy, K Ganesh Kamath, H L Bhat and Suja Elizabeth, Indian Institute of Science, Bangalore

‘Role Head Group Structure in Regulating the Packing Density of Lipid Monolayers-Nerve Conduit Applications’ K Kaladhar and C P Sharma, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram

INFORMATION COLLECTION AND DISSEMINATION SYSTEM

The Technology Information Forecasting and Assessment Council (TIFAC) has identified MRSI as a nodal agency for developing a data base for non-ferrous materials. In this connection, TIFAC has provided financial support to create a data bank on non-ferrous materials at MRSI headquarters, DMRL, Hyderabad dedicated for the purpose of data acquisition and storage pertaining to non-ferrous materials, technologies for their processing and areas of their application. A group of professionals with diverse background in Metallurgy, Computer Science and Library / Information science are working with this project. Presently the data bank consists of 1325 technology records on Non-ferrous Materials and it has published many value-added reports in the area of Non-ferrous Materials.

It has been decided to shift the MRSI/TIFACLINE Unit to ARC-International, Hyderabad. Its scope will be widened to cover the areas of ceramics, powder metallurgy and surface engineering.

PUBLICATIONS

MRSI co-sponsors the publication of Bulletin of Materials Science (BMS) published by the Indian Academy of Sciences. In addition, several special issues of BMS have been brought out. The BMS published 907 pages of scientific articles in 2008. The BMS is available on the internet (<http://www.ias.ac.in/matserci/>). Starting January 2007, the Bulletin of Materials Science is co-published with Springer. Along with hyperlinks to other relevant sites, Springer provides access to the content of the Bulletin worldwide in an online full-text database on Springer link (www.springerlink.com).

MRSI is also bringing out the MRSI Newsletter which includes the ‘Calendar of Events’ where the forthcoming conferences/symposia/workshops related to Materials Science are listed along with the name and address of the contact persons. The MRSI Newsletter is being edited by Drs. K K Nanda and Satish Patil.

The MRSI is continuously updating the electronic membership directory. This can be accessed through the website www.igcar.ernet.in/mrsi. This is an interactive website for interactions amongst its members interested in science and technology of materials.

INTERNATIONAL COOPERATION

MRSI is a founding Adhering Body of the International Union of Materials Research Societies (IUMRS).

IUMRS together with C-MRS, MRS-INDIA, MRS-JAPAN, MRS-KOREA and MRS-TAIWAN reached an important decision in October 1992 to launch a new series of MRS Conference in Asia. The series is titled "The IUMRS International Conference in Asia" or IUMRS-ICA. The first conference of this series, IUMRS-ICA 1993, was organized by C-MRS. Later it was organized by MRS-Taiwan in 1994, MRS-Korea in 1995, MRS-Japan in 1997, MRS India in 1998, MRS China in 1999, MRS Hong Kong in 2000, MRS Mexico in 2001. No conference was held in 2002. MRS Singapore organized the ICA in 2003, MRS Taiwan in 2004. No conference was held in 2005 and MRS Korea organized in 2006.

MRSI hosted the IUMRS-ICA-98 conference in Bangalore during October 13-16, 1998 which was highly successful.

HONORARY MEMBERS

(elected during the period 1990-2008)

(year in the bracket indicates the year of election)

Ajayan P M, Rice University, USA (2008)
Akihisa Inoue, Tohoku University, Japan, (2001)
Alan Windle, University of Cambridge, U.K., (2003)
Alario-Franco M A, Ciudad Universitaria, Spain, (1992)
Aleksandrov Kirill S, L V Kirensky Institute of Physics, Russia, (1992)
Amelinckx S, RUCA Dept. of Physics, Belgium, (1991)
Amiya Mukherjee, University of California, U.S.A., (1997)
Andrade Joseph D, MEB, U.S.A., (1996)
Angell C A, Tempe, Arizona, U.S.A., (1999)
Armstrong Ronald W, Univ. of Maryland, U.S.A., (1995)
Arsenault R J, University of Maryland at College Park, U.S.A., (1995)
Ashby M F, University of Cambridge, U.K., (1990)
Baglin John E E, IBM Almaden Research Center, U.S.A., (1990)
Bentini G C, CNR-Via GOBETTI, Italy, (1992)
Blinic R, J. Stefan Institute, Slovenia, (1992)
Bonfield William, University of Cambridge, U.K., (1993)
Brandon D G, Lehigh University, U.S.A., (1993)
Cahn John W, National Institute of Standards and Technology, U.S.A., (1993)
Cantor Brian, University of Oxford, U.K., (1996)
Catlow C R A, Davy Faraday Laboratory, The Royal Institution, U.K., (1996)
Chakravorthy B K, CNRS Lepes, 25 Avenue De Martyrs, France, (1991)
Chang R P H, Northwestern University, U.S.A., (1990)
Chaudhari Praveen, Watson Research Centre of Physical Sciences, U.S.A., (1990)
Cheetham A K, University of California, U.S.A., (1994)
Chon Min Che, 6-28, Shinkyodong Chongnoku South, Korea, (1992)

The prestigious conference IUMRS-ICAM was held in Bangalore, during October 8-13, 2007. MRSI Newsletter of July issue contains some updated information about this conference.

MRSI is a founding member of Asia Pacific Academy of Materials (APAM). It has continued its strong links with APAM. Prof. CNR Rao is its Past President. Currently Prof. Kuznetsov is its President. Prof. S V Subramanyam, former General Secretary of MRSI has been elected as the *Vice President-Secretary-General* of APAM. APAM has members from India, Russia, Japan, China, Uzbekistan, Korea, Taiwan and Australia.

The APAM India chapter holds its annual meeting in conjunction with the AGM of MRSI. APAM-India Chapter has 55 members. Dr. P Ramachandra Rao is the current President of APAM India Chapter and Prof. O N Srivastava, BHU, Varanasi serves as the Secretary.

Chowdari BVR, National University of Singapore, Singapore 119260, (2001)
Clearfield A, Texas A & M University, U.S.A., (1996)
Cottrell Alan, University of Cambridge, U.K., (1992)
Cyrot-Lackman Francois, IEPES-CNRS, BP 166X-380, France, (1991)
Day P, The Royal University of Great Britain, U.K., London, (1994)
Dayananda M A, Purdue University, U.S.A., (1997)
Disalvo F J, Baker Laboratory, U.S.A., (1996)
Doyama M, Teikyo University of Science & Technology, Japan, (1990)
Dresselhaus Mildred S, Massachusetts Institute of Technology, U.S.A., (1991)
Edwards P P, The University of Birmingham, U.K., (1995)
Embury J D, McMaster University, Canada, (1993)
Esaki Leo, Shibaura Institute of Technology, Japan, (1995)
Etourneau J, Institut de Chimie de la Matiere Condensee de, France, (1994)
Ferey Gerard, University of Versailles, France, (1998)
Fernando Lund, CIMAT, Chile, (2004)
Frank Karasz, Univ. of Massachusetts, U.S.A., (2003)
Fred Lange, Univ. of California, U.S.A., (2000)
Frolov K V, Russian Academy of Sciences, Russia, (1990)
Fujihara K, Yokohama National University, Japan, (1996)
Fujshima A, University of Tokyo, Tokyo, Japan, (1995)
Gatos Harry C, Massachusetts Institute of Technology, U.S.A., (1991)
George M Whitesides, Harvard University, U.S.A., (0)
Glasow Peter A, D-91054, Germany, (1994)
Gleiter H, Institute of Nanotechnology, Germany, (1994)
Gonzalez Calbet, Universidad Complutense, Spain, (1997)
Goodenough John B, Univ. of Texas (1990)
Granquist C G, Uppsala Universitet, Sweden, (2001)
Greenblatt Martha, RUTGERS, The State University of New Jersey, U.S.A., (1995)
Greenwood G W, Univ. of Sheffield, U.K., (1997)

Greer A L, Univ.of Cambridge, U.K., (2002)
Gschneidner K A, Iowa State University, U.S.A., (1993)
Hagenmuller P, Univ.of Bordeaux I, France, (1990)
Heeger A J, Institute of Organic Solids & Polymers, U.S.A., (1998)
Hirsch Peter, Univ.Oxford, U.K., (1990)
Honig Jurgen M, Purdue University, U.S.A., (1990)
Hsiao Tsechiang, Northeast University, China, (1995)
Inokuchi H, National Space Development Agency of Japan, Japan, (1999)
Interante L V, Rensselaer Polytechnic,U.S.A., (1994)
Jack Kenneth H, U.K., (1991)
Jagdish Narayan,North Carolina State University,U.S.A., (2000)
Jain S C, IMEC, Belgium, (2001)
Jayaraman A, Carnegie Institution of Washington, U.S.A., (1990)
Kaldis E, Laborotium Fur Festkorperphysic, Switzerland, (1992)
Khabibullaev P K, Uzbek Academy of Sciences, Uzbekistan, (1992)
Kitazawa Koichi, School of Frontier Sciences, Japan, (1991)
Kishi T, NIMS, Japan (2007)
Knut Urban, am Institut fur Festkorperforschung, Germany, (2000)
Koichi Niihara, Osaka University, Japan, (2001)
Koinuma H, Tokyo Inst. of Technology, Japan, (1996)
Kolster B H, Wentholtweg 9, 721y EE EPSE, Netherlands, (1992)
Kroenig M, Fraunhofer Institute of Non-Destructive Testing, Germany, (2000)
Kroto H W, Univ.of Sussex,,U.K., (1992)
Kuo K H, Chinese Academy of Sciences, China, (1992)
Kuznetsov F A, Institute of Inorganic Chemistry,Russia, (1990)
Leslie Eric Cross, The Penn State University,U.S.A., (1994)
Li Heng-De, Tsinghua University, China, (1990)
Livage J, Universite Pierre et Marie Curie 4,France, (1995)
Lucas Jacques, Laboratoire Verres & Céramiques, France, (2005)
Luecke Kurt, Selzerbeeklaan 26, 6297, HW Vaals, Netherlands, (1993)
Mackay A L, Univ.of London,U.K., (1993)
Mahajan Subash, Carnegie Mellon University, U.S.A., (1991)
Margolin Harold, Polytechnical University,U.S.A., (1995)
Martin Jansen, Germany, (2002)
Masahiro Yoshimura, Tokyo Institute of Technology , Japan, (2003)
Masumoto T, The Research Institute for Electric, and Magnetic Materials, Japan, (1995)
Matthew Tirrell, Univ.of California,U.S.A., (2004)
McHenry Michael E, Carnegie Mellon University,500 Forbeb Ave,U.S.A., (1998)
Merzhanov A G, Institute of Structure Macrokinetics & Materials Science, Russia, (1997)
Metzner Arthur B, University. of Delaware, Dept. of Chemical Engineering,U.S.A., (1991)
Michael Klein, Director, LSRM,Laboratory for the Study of Materials,USA, (2005)
Mordike Barry L, Univ.of Malta, Europe, (1991)
Narayanamurthy V, Harvard University,U.S.A., (1995)
Newnham R E, Pennsylvania State University,U.S.A., 16802, (1993)
Nishizawa J I, Semiconductor Research Institute, Japan, (1992)
Ossipiyan Yu A, Russian Academy of Sciences,Russia, (1991)
Parrinello M, Max-Planck-Institut fur Festkorperforschung, Germany, (1999)
Patel C K N, Pranalytical Inc, 1101 Colorado Avenue, U.S.A., (1991)
Paul Attfield J, The University of Edinburgh,,U.K., (2006)
Pouchard M, Membre de Institut Universitaire de France, France, (1994)
Ramdas A K, Purdue University, U.S.A., (1990)
Rao Tummala R, Georgia Institute of Technology, U.S.A., (1992)
Rath Bhakta B, Naval Research Laboratory,U.S.A., (1990)
Raveau Benard, University De Caen, Chimie Du Solide, Boulv Du, Marechal Juin, France, (1991)
Roberts M W, Cardiff University, U.K., (1994)
Robert Honeycombe, Cambridge University,,U.K., (1992)
Roesky H W, Institut fur Anorganische Chemie,Germany, (1997)
Rousset A, UMR-CNRS 5085, Universite Paul Sabatier, France, (1993)
Roy Rustum, The Pennsylvania State University,U.S.A., (1990)
Ruehle M, Max-Plank Institut fur Metallforschung, (1995)
Sellers C M, The University of Sheffield, PO Box.600,U.K., (1994)
Shechtman D, Technion, Israel, (1997)
Shichang Zou, Shanghai Institute of Metallurgy,Chinese Academy of Sciences,China, (1992)
Siegel R W, Renssealaer Polytechnik Institute,,U.S.A., (1992)
Siffert Paul, CNRS/PHASE B.P. 20, F-67037 Strasbourg Cedex 2, France, (1990)
Sleight A W, Oregon State University, U.S.A., (1995)
Smalley R E, Rice University, U.S.A., (1992)
Somasundaran P, Columbia University in the City of New York, U.S.A., (1991)
Somiya Shigeyuki, Nishi Tokyo University,Japan, (1990)
Subramanian M A, Dupont Company, U.S.A., (2002)
Sunil K Sinha, Argonne National Laboratory,U.S.A., (2001)
Suresh Subra, MIT, USA (1996)
Tanaka K, Joint Research Center for Atom Technology (JRCAT) Japan, (1993)
Taplin D M R, Univ.of Plymouth, U.K., (1993)
Tarascon J M, Universitat Picardie, Lab. of Reactivity & Chemistry of Solids, France, (1996)
Thomas G, Univ.of California, U.S.A., (1994)
Thomas J M, The Royal Inst. of Great Britain, U.K., (1996)
Tokura Y, Univ.of Tokyo, Japan, (1997)
Toshiaki Enoki, Graduate School of Science & Engineering, Japan, (2005)

Underhill A E, University College of North Wales, U.K., (1995)
Vallet Regi, Universidad Complutense De Madrid, Spain, (1997)
Vijh Ashok K, Institute De Recherche, d' Hydro-Quebec (IREQ), Canada, (1991)
Vincenzini P, International Academy of Ceramics, Italy, (1992)
Wasa Kiyotaka, 2-7-27 Chiyogaoka, Japan, (1991)
Waseda Y, Sendai, Japan (2007)
Welland M E, University of Cambridge, UK (2008)
West A R, The University of Sheffield, U.K., (1994)

Williams David F, Univ. of Liverpool, U.K., (1990)
Williams J S, Royal Melbourne Institute of Technology, Australia, (1992)
Wu Ping-Tien, Asia Chemical Corp, Taiwan, (1992)
Yacaman M J, The University of Texas at Austin, U.S.A., (1992)
Yan Dongsheng, Chinese Academy of Science, China, (1990)
Yanagida Hiroshi, Univ. of Tokyo, Japan, (1991)
Yoshiyuki Kawazoe, Tohoku University, Japan, (2002)
Zhao Z S, National Lab for Superconductivity, China (1991)

ANNUAL GENERAL MEETINGS

Sl. No	AGM	Venue	Organizers
1.	1990	National Chemical Laboratory, Pune	<i>Chairman</i> : R A Mashelkar
2.	1991	National Physical Laboratory, New Delhi	<i>Chairman</i> : S K Joshi <i>Secretary</i> : B K Das
3.	1992	Indian Institute of Science, Bangalore	<i>Chairman</i> : Ranganathan S <i>Convenor</i> : A M Umarji
4.	1993	Regional Research Laboratory, Thiruvananthapuram	<i>Chairman</i> : A D Damodaran
5.	1994	Research Centre, Imarat, Hyderabad	<i>Chairman</i> : S L N Acharyulu
6.	1995	Indian Institute of Technology, Kharagpur	<i>Chairman</i> : K L Chopra <i>Convenor</i> : H D Banerjee
7.	1996	Indian Institute of Science, Bangalore	<i>Chairman</i> : A K Singh
8.	1997	Bhabha Atomic Research Centre, Mumbai	<i>Chairman</i> : C K Gupta <i>Secretary</i> : G E Prasad
9.	1998	Indian Institute of Technology, Chennai	<i>Chairman</i> : R Natarajan
10.	1999	Regional Research Laboratory, Bhopal	<i>Convenor</i> : T C Rao
11.	2000	Sardar Patel University, Vallabh Vidyanagar	<i>Chairman</i> : V S Patel <i>Convenor</i> : L M Manocha
12.	2001	Saha Institute of Nuclear Physics, Kolkata	<i>Convenor</i> : M K Sanyal
13.	2002	Defence Metallurgical Research Laboratory, Hyderabad	<i>Convenor</i> : D Banerjee
14.	2003	Bhabha Atomic Research Centre, Mumbai	<i>Chairmen</i> : Ashok Misra / S Banerji
15.	2004	Banaras Hindu University, Varanasi	<i>Chairman</i> : P Ramachandra Rao <i>Convenor</i> : S Lele
16.	2005	National Chemical Laboratory, Pune	<i>Chairman</i> : S Sivaram <i>Convenor</i> : K Vijayamohanam
17.	2006	University of Lucknow, Lucknow	<i>Chairman</i> : R P Singh <i>Convenor</i> : Poonam Tandon
18.	2007	National Physical Laboratory, New Delhi	<i>Chairman</i> : Vikram Kumar <i>Convenor</i> : Anil K Gupta
19.	2008	Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram	<i>Chairman</i> : G S Bhuvaneshwar <i>Convenor</i> : D S Nagesh
20.	2009	Saha Institute of Nuclear Physics, Kolkata	<i>Chairman</i> : N R Bandyopadhyay <i>Convenor</i> : A K Mukhopadhyay

CALENDAR OF EVENTS

(APR 2008 - FEB 2009)

May 28-30, 2008, International Conference on BioMedical Engineering and Informatics 2008 (BMEI 2008), Sanya, Hainan, China, Email: bmei2008@hainu.edu.cn, Website : <http://www.hainu.edu.cn/BMEI2008>

June 26-28, 2008, International Conference on Aerospace Science and Technology, Dr. M N Sathyanarayana, Convener, for more details refer to the website www.nal.res.in/nal50/incast

November 22-24, 2008, National Conference on Solid State Sensors, Dr. R K Shukla, Convener, Department of Physics, University of Lucknow, Lucknow 226 007, Tel : 0522-2741012-21 Lab Extn: 4015, Email: sensors2008@gmail.com, Website: www.lkouniv.ac.in

December 1-4, 2008, VI International Conference on Mechanochemistry and Mechanical Alloying (INCOME2008), Dr. Rakesh Kumar, Convener, INCOME2008, National Metallurgical Laboratory, Council of Scientific and Industrial Research, Jamshedpur – 831 007, INDIA, Telephone : +91-657-2271715, Mobile : +91-9430304874, Fax : +91-657-2270527, Email : rakesh.nmlindia@gmail.com, Website: www.income2008.org

December 4-5, 2008, Seventh ISAMPE National Conference on Composite Materials. For details refer to the website www.nal.res.in/nal50/inccom7

December 9-13, 2008, IUMRS-ICA 2008, Nagoya Congress Center, 1-1 Astuta-nishimachi, Astuta-ku, Nagoya 456-0036, Tel: 81-52-683-7711, Fax: 81-52-683-7777, Website: <http://www.iumrs-ica2008.jp/index.html>

February 10-12, 2009, 20th Annual General Meeting of MRSI, Dr. N R Bandyopadhyay, Chairman, Tel: +91-33-26688140, Email: nrb@matsc.becs.ac.in, Dr. A K Mukhopadhyay, Convener, Central Glass & Ceramics Research Institute, Kolkata, Tel: +91-33-24733469/76/77, Fax: +91-33-24730957, Email: dranoopkumar@gmail.com

February 26-27, 2009, National Conference on Recent Advances in Surface Engineering, Dr. Bharathi Bai J Basu / Dr. Harish C Barshillia, Surface Engineering Division, National Aerospace Laboratories, P B No. 1779, Bangalore 560 017, Tel: 080-25086498, 080-25086498 / 25086494, Fax: 080-25210113, Email: convener_rase09@css.nal.res.in

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”.

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