

research institutions of the country and to promote active interaction between academic/research institutions of the country and Indian industry.

The meet was inaugurated by Dr. P. K. Gupta, President, ILA. The inaugural talk on technology generation and incubation was delivered by Shri A. M. Patankar, Head TT&CD of BARC. The key features of the meet were presentations by laser experts explaining rudiments of laser applications, presentations by industrial delegates outlining their experiences & prospective use of laser technology in their industry, and technology showcase sessions involving presentations of indigenous laser technologies. The meet was attended by about 30 participants from 25 different companies. There were about 35 different posters on various technologies developed at various R&D centers in India presented at the meet.

In forenoon session of the first day, presentations were made by Dr. L. M. Kukreja and Shri Rakesh Kaul covering the fundamentals of laser materials processing and an overview of technology showcase session. Shri A. M. Patankar delivered an informative talk on the modalities of technology transfer from DAE units to industrial partners. In the afternoon, three-hour technology showcase session provided a platform for one-to-one technical discussions between researchers and industrial delegates. This was followed by presentations by



industrial participants. Interesting presentations were made by delegates from Tata Motors Limited Pune, Bharat Heavy Electricals Limited Hyderabad, Larsen & Toubro Limited Mumbai and Archaeological Survey of India Indore. The proceedings of the day were concluded with a group discussion session chaired by Dr. P. K. Gupta. The session witnessed lively discussions among delegates further strengthening the interaction between laser research community and indigenous industries.

On the second day, the first talk was delivered by Prof. B. D. Gupta, Indian Institute of Technology Delhi on optical sensors for process monitoring. This was followed by a presentation by Dr. Sunita Belgamwar, Nexus Mechatronics Pune on laser therapy. Subsequent talks on optical spectroscopy and imaging for bio-medical diagnosis were delivered by Dr. Diwakar Rao and Dr. S. K. Majumder

respectively, while Dr. Sendhil Raja S. made a presentation on laser based metrology & inspection. These presentations were followed by a detailed informative presentation by Dr. P. S. Raju, Technology Development Board (TDB) Department of Science and Technology(DST) on various DST funding schemes. The meet was concluded with a group discussion session chaired by Dr. P. S. Raju.

Reported by:

Rakesh Kaul (rkaul@rrcat.gov.in) & Dr. Sendhil Raja S.

N.4: Prestigious MRSI Medal conferred on Dr. Kukreja



Dr. L. M. Kukreja receiving MRSI medal and citation from Prof. T. Ramasami (left), Secretary, Department of Science & Technology and President of MRSI

Dr. L. M. Kukreja, Head Laser Materials Processing Division RRCAT and Professor, Homi Bhabha National Institute was awarded with the Materials Research Society of India (MRSI) medal 2011. Besides the medal, this award included a citation and an invited lecture at the annual meeting of the MRSI held during February 14 – 16, 2011 in Bhopal. The citation reads that the MRSI medal is conferred on Dr. L. M. Kukreja 'in recognition of his significant contributions to the field of Materials Science and Engineering'. Dr. Kukreja joined Department of Atomic Energy in 1976 through the 20th batch of Training School at Bhabha Atomic Research Centre after completing M.Sc. in Physics from University of Rajasthan with gold medal. As a scientific officer at Laser Division, BARC he was instrumental in the laser fabrication of nuclear track detector module for the prestigious Indian cosmic ray experiment 'Anuradha' carried out aboard the US space shuttle Spacelab – 3 in 1985. In 1987, he completed Ph.D. on laser processing of polymers from BARC – Bombay University under the guidance of Dr. D. D. Bhawalkar, former Director of RRCAT. Dr. Kukreja was awarded with Humboldt fellowship to carry out postdoctoral research at University of Heidelberg, Germany during 1991 – 92. Since 1993 he is at RRCAT pursuing his research interests in the field of photonic nanomaterials and laser materials processing. He initiated the biennial DAE – BRNS meetings on pulsed laser deposition of thin films and nano-structured materials and serves on numerous academic and extra-mural committees of DAE, RRCAT and other organizations.