

N.6: DAE-BRNS Workshop on Laser Additive Manufacturing and Allied Technologies (LAMAT-2k18)

A DAE-BRNS Workshop on Laser Additive Manufacturing and Allied Technologies (LAMAT-2k18) was organized at RRCAT, Indore during October 08 - 12, 2018. The workshop was inaugurated by Prof. A. K. Nath, IIT, Kharagpur. He also delivered a talk on “*Challenges in additive manufacturing and a roadmap for India*”. Dr. P. A. Naik, Director, RRCAT presided over the function. The workshop was attended by about 46 participants including 32 Ph. D. scholars, 10 faculty members, 2 scientists from national labs and 2 industrial representatives. Fourteen lectures were delivered by RRCAT scientists and faculty members of leading IITs/NITs covering various aspects of LAM including basics, processes and applications. A special feature of LAMAT-2k18 was eight "Hands-on-Experiments" organized in the second half of each day wherein participants performed the LAM experiments to get better feel of the technique. The workshop concluded with an inspiring talk by Shri C. Phanibabu, Dy. Chief Executive, Nuclear Fuel Complex, Hyderabad.



Prof. A. K. Nath inaugurating LAMAT-2k18.



A group photo of LAMAT-2k18 participants.



Shri S. V. Nakhe presenting memento to Shri C. Phanibabu during the concluding function.

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N.7: DAE-BRNS National Laser Symposium (NLS-27)

The 27th DAE-BRNS National Laser Symposium (NLS-27) was organized at RRCAT during December 3-6, 2018. NLS, the largest attended annual event in India on lasers, is organized in collaboration with Indian Laser Association (ILA).

Dr. V. K. Saraswat, Hon'ble Member, NITI Aayog and Chancellor, Jawaharlal Nehru University was the Chief Guest of the inaugural function. He also addressed the gathering and inaugurated the industrial exhibition having about 40 stalls. Dr. P. A. Naik, Director RRCAT and Chairman, Symposium Organizing Committee presided over the inaugural function. Dr. S. K. Dixit delivered the Convener's address and Dr. K. S. Bindra proposed the vote of thanks.

Prof. Ajoy Ghatak, Meghnad Saha Fellow, National Academy of Sciences, delivered the keynote address on “*Brief History of Light and Evolution of Quantum Theory*”.

An Industrial Exhibition of lasers and related systems was also organized during the symposium, with 40 stalls showcasing different products, which also provided an opportunity to interact with industry experts. A special 'Make in India' pavilion was provided to the Indian R & D organizations and industries to showcase their indigenously developed laser related products.



Dignitaries releasing Abstract Book during the inaugural function of NLS-27.

The scientific program of NLS-27 consisted of 22 invited talks, 310 poster paper presentations, 12 thesis oral presentations, 15 thesis poster presentations, 5 industrial presentations and 5 'Make in India' presentations. About 400 delegates from all over India from different organizations such as DAE, DRDO, ISRO, IITs, CSIR labs, IISERs, Universities and Engg. Colleges, and more than 50 industry representatives participated in NLS-27. There were 14 scientific sessions, 3 poster sessions, 2 Ph. D. sessions, one