

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

'Make in India' and one Industrial Session. A special evening talk by Prof. Sanjeev Dhurandhar from IUCAA, Pune on "The Discovery of Gravitational Waves" was organized.



Dr. V. K. Saraswat visiting the industrial exhibition along with Dr. P. A. Naik.

As a fore runner to the symposium, two short tutorial course, attended by about 50 students, on "Optical Interferometry" and "Laser-matter interaction at the nanoscale", consisting of lectures and hands on demonstrations, were also organized by ILA on December 1-2, 2018.

Dr. P. D. Gupta, former Director, RRCAT, was the Chief Guest of the Concluding Function on 6th December. He addressed the gathering and presented the Best Thesis and Best Poster awards.



Dignitaries interacting during NLS-27.

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N.8: HBNI organized a mini-marathon "Beat the Plastic Pollution" at RRCAT

HBNI RRCAT successfully organised a mini marathon on 2nd October, 2018. Theme of the event was "Beat the Plastic Pollution" with tagline "Either Reuse or Refuse", aimed to bring awareness among the Ph. D. scholars, project trainees, CISF personnel, RRCAT employees and their dependents about the plastic pollution.



Participants of mini-marathon with Chief Guest and Director, RRCAT.

Shri H. S. Vora, Former Head, Laser Electronics Support Division, RRCAT was the Chief Guest. The event was presided by Dr. P. A. Naik, Director, RRCAT. In his speech, Dr. Naik emphasized the threats of plastic pollution in our lives and appreciated the organization of the event. The mini-marathon started from BARC Training School at RRCAT along two routes: longer route for CISF personnel and a shorter one for the other participants, which were flagged off by Shri Vora.



Shri HS Vora flagging-off the mini-marathons.

There were 146 participants including 48 CISF personnel. The prizes were given away in five different categories: CISF personnel, boy-student, girl-student, RRCAT employees and dependents. The winners in each category were: Shri Vibhansu (CISF), Shri Pranshul Kushwaha (students-boy), Ku. Preeti Pokhriyal (students-girl), Shri Amar Kuldeep Lakra (employees) and Shri Akash Guha (dependents).

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