



CAT Foundation Day Celebrations

Centre for Advanced Technology celebrated its first foundation day on Feb 19, 2005. The foundation stone for the Centre was laid by the then Hon'ble President Shri Gyani Zail Singh on February 19, 1984. CAT was built to expand R&D programmes being carried out at BARC in two frontline areas of Science & Technology, namely, accelerators and lasers. In both these areas, the centre has advanced considerably over the years and is recognized as a leading research centre in the country. Under accelerator program Indus-1, a 450MeV electron storage ring, the first synchrotron radiation source designed and developed in India, was commissioned in 1999 and declared a National facility. The Indus-2, a 2.5 GeV electron storage ring will be commissioned by the end of 2005. There are four user beam lines operational with Indus-1. A fifth is under commissioning and the sixth one is under construction. All component sub systems, such as, UHV pumps & components, magnets, RF systems, power supplies, and control systems are all made indigenously.

The laser program has both research component and technology development component. Research on study of non linear optics, laser plasma interactions, bio medical application of lasers, laser materials processing & development of a variety of laser systems with specific end application have been taken up. A variety of infrastructure facilities to support the laser & accelerator programmes have been set up. The centre has two major workshops, cryoengineering facility & excellent library and computational facility.

Dr. V.C. Sahni, Director, CAT gave the welcome address. Dr. Anil Kakodkar, Chairman, Atomic Energy Commission & Secretary, Department of Atomic Energy delivered the foundation day address. There was a technical session having two talks delivered by Dr. P.K. Iyengar, former



Chairman, Atomic Energy Commission, former Secretary, Department of Atomic Energy on "The future of Accelerators" and Dr. D.D. Bhawalkar, former Director, CAT on "Einstein and Lasers". Shri T.P.S. Nathan, Head SSLD and LMD&DD coordinated the function.

- TPS Nathan

Snippets

1. Dr. P. Chaddah was elected Fellow of Indian National Science Academy, New Delhi, India.
2. Dr. P.D. Gupta, was elected Fellow of the National Academy of Sciences, Allahabad, India
3. Dr. K.S. Bartwal elected Vice President of Indian Association for Crystal Growth.
4. Smt. S. Sailaja, Laser Plasma Division, was awarded Ph. D degree by DAVV, Indore under the supervision of Dr. V.K Senecha.
5. Shri J.A. Chakera, Laser Plasma Division, submitted his Ph. D thesis to DAVV, Indore under the supervision of Dr. P.D. Gupta



(The final consignment of PMPS jacks fabricated and evaluated at Avasarala Automation Ltd. Bangalore was handed over to Anil Kakodkar, Chairman AEC (Jan. 2005). The photograph shows the function to mark this event.)

RETIREMENTS

The following officials retired on superannuating from CAT during 01.07.2004 to 31.12.2004

• Dr. Kailash Rustagi • G.C. Gupta • Dr. V. K. Wadhawan