EVENTS AND HAPPENINGS



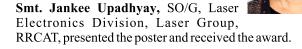
3. One paper of RRCAT received the Best Paper Award in 28th National Symposium on Cryogenics and Superconductivity (NSCS28) held at IIT Kharagpur during Oct. 18-21, 2022. The award carries a certificate and a cash prize of ₹ 5000. The details of the paper are given below:



Title: PLC based control system for LN₂ based reefer SHIVAY *Authors:* S. C. Patidar, C. Gupta, P. Khare, A. Tiwari, H. K. Patel, S. G. Gilankar, G. Agrawal, D. Sinnarkar

Shri Suresh Chandra Patidar, SO/E, Cryomodule Development & Cryoengineering Application Section, Proton Accelerator Group, RRCAT, who presented the paper, received the award.

- **4.** Six posters of RRCAT received the Best Poster Awards sponsored by the Indian Laser Association (ILA), during 31st DAE-BRNS National Laser Symposium (NLS-31) held at IIT Kharagpur during December 3-6, 2022. The award carries a certificate and a cash prize of ₹ 2000. The details of the posters are given below:
- **4.1** *Title:* Programmable versatile fast high voltage pulse generator with matched risefall times for Paul trap experiments *Authors:* Jankee Upadhyay, Sudhir Kumar, P. Saxena, R. Arya



4.2 *Title:* Tilted fiber Bragg grating cut-off mode based highly sensitive refractive index sensor

Authors: P. K. Saini, J. Kumar, R. Mahakud, S. Kumar, O. Prakash, S.V. Nakhe



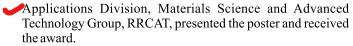
Shri Pankaj Kumar Saini, SO/E, Fibre Sensors & Optical Spectroscopy Section, Materials Science and Advanced Technology Group, RRCAT, presented the poster and received the award.

4.3 *Title:* Preparation and evaluation of a light activable drug loaded composite film for antimicrobial photodynamic therapy application

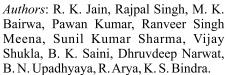


Authors: Sourabrata Chakraborty, Khageswar Sahu, Shivangi, Shovan Kumar Majumder

Shri Sourabrata Chakraborty, SO/C, Laser Biomedical



4.4 *Title*: Development of underwater laser cutting tool and technique for removal of central cobalt pin from 19-pin PHWR fuel bundle





Shri R. K. Jain, SA/G, Industrial Lasers & Applications Section, Laser Electronics Division, Laser Group, RRCAT, presented the poster and received the award.

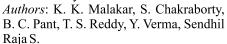
4.5 *Title*: Laser cladding of tungsten carbide on SS 304 steel using LDED process

Authors: C. H. Prem Singh, Upendra Kumar, A. K. Rai, G. K. Mishra, C. P. Paul, S. K. Dixit and K. S. Bindra



Shri C. H. Prem Singh, SA/E, Laser Technology Division, Laser Group, RRCAT, presented the poster and received the award.

4.6 *Title*: High precision measurement of effective thermal expansion coefficients of low-coefficient of thermal expansion (CTE) materials using low-coherence interferometry





Shri K. K. Malakar, Ph. D. Scholar, Advanced Electro-Optics Systems Section, Laser Group, RRCAT, presented the poster and received the award.

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