

National Science Day celebrated at ARCI

As a part of National Science Day Celebrations, International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Hyderabad organized a ‘Special Lecture’ on 27th February and ‘Science Flash Talk’ by students and research fellows on 28th February 2020.

Renowned metallurgist Prof. Indranil Manna, Indian Institute of Technology-Kharagpur (former Director, IIT-Kanpur), delivered a special talk on ‘Advanced Materials for High Temperature and High Specific Strength Structural Applications’.

He explained aspects ranging from fundamentals of material design and selection of different high-temperature materials as potential alternatives to graded composites for various applications in the space sector, especially for reusable launch vehicles. He added that a controlled tuning in strength and wear resistance at a high temperature can be explored by a thermomechanical technique of synthesis.

He stressed on the importance of creating test rigs for evaluating the ablation resistance of materials. He also emphasized on creating synergy between ISRO, IITs, and other national labs like ARCI, DMRL and CGCRI which have rich expertise in diverse fields of materials engineering.



Dr. G Padmanabham presenting a memento to Prof. Indranil Manna

‘Science Flash Talk – Creativity Unleashed,’ was designed to intensify the scientific thinking in young minds. All the project students, trainees, project associates, and research fellows of ARCI were given an opportunity to express their novel concepts/ ideas of science and technology within 2 minutes with a single slide. Fifty-eight students participated in the ‘Science Flash Talk’ and presented ideas ranging from addressing issues related to pollution, affordable drinking water, renewable energy to smart materials.



Speaking on occasion, Dr G. Padmanabham, Director, ARCI highlighted that curiosity, passion, a well thought out hypothesis, knowledge of scientific tools available and choice of research topics from the problems around day to day needs of the society as major ingredients to do good science.

Dr TN Rao, Associate Director, remarked that Engineering and Science go together and Science and scientific thinking has to be a passion. Dr. Roy Johnson, Associate Director, motivated all to spread science and motivate others to take up science by learning from nature.

Dr P K Jain, Scientist G and Chairman of National Science Day celebration committee gave a talk on 'Science behind Ancient Indian Traditions' and importance of scientific development for societal use.

Dr T N Rao and Dr Roy Johnson, Associate Directors of ARCI, congratulated all the participants of the 'Science Flash Talk' and presented them with participation mementos.

Winners Imran Karajagi, V. Sri. Harsha Swarna Kumar, D. Nazeer Basha, Kigozi Moses, Jaijeet Singh Rathore, Nirogi Aamani, V. P. Madhurima, and G. Nivetha were given awards by Dr. G. Padmanabham, Director-ARCI for their good concepts and out-of-the-box ideas.



Director and Associate Directors, ARCI with all the participants