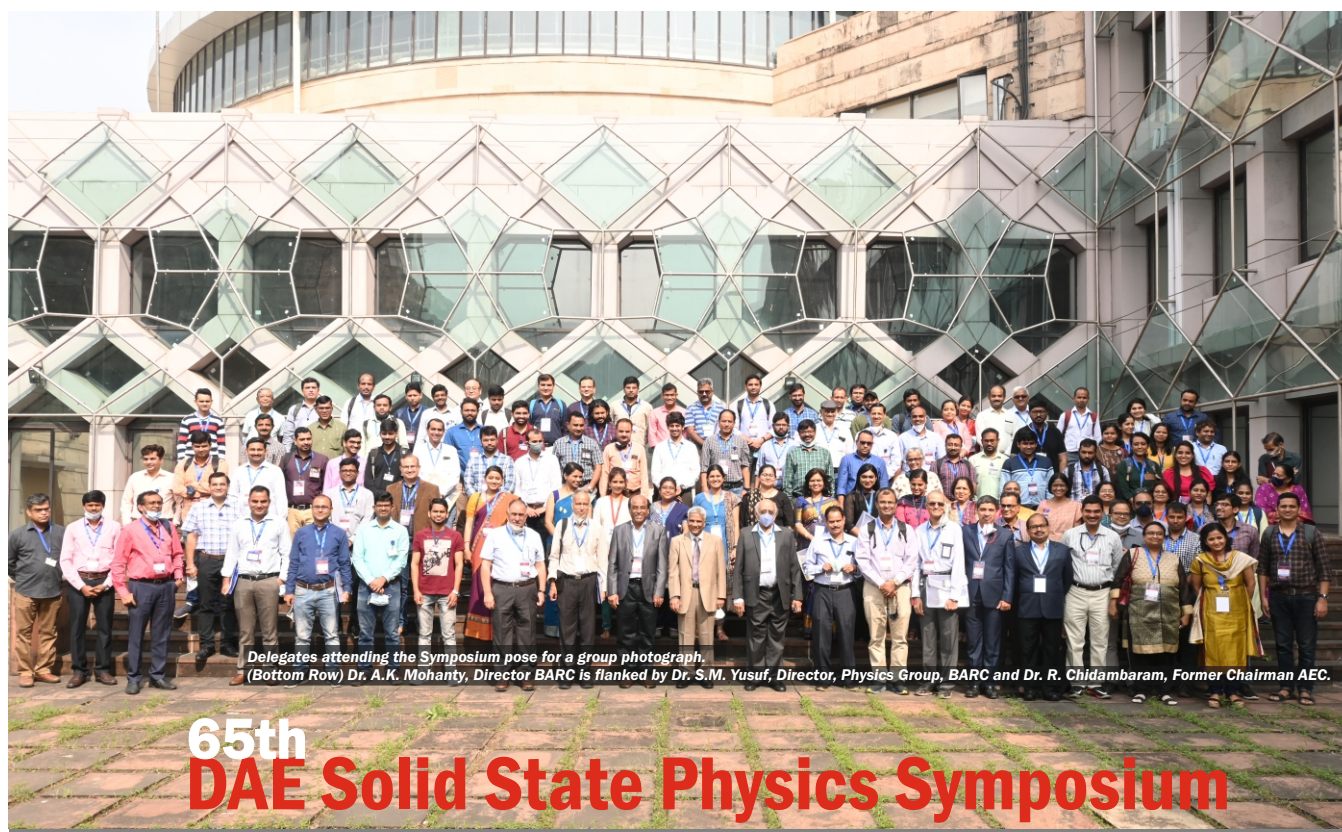


Reports from symposia, workshops and conferences



The latest edition of Solid State Physics symposium was organized at DAE Convention Centre in Mumbai recently. The symposium had been sponsored by BRNS and the scientific program was planned and organized by Physics Group, BARC.

Three outstanding plenary talks were delivered on specialized topics, including on *Bandgap of Disordered Semiconductors in relation to Optoelectronic* by Prof. Amlan J. Pal, UGC-DAE CSR, Indore, *Advanced Magnetic X ray Spectro-microscopies of Novel Topological Spin Textures* by Prof. Peter Fischer of Lawrence Berkeley National Laboratory at Berkeley CA; *Multi-scale Modelling of Nanomaterials: From Nanotubes to Ants* by Prof. Douglas S. of Galvao State University of Campinas and Brazilian Academy of Sciences, Brasil.

4 Young Achievers, 6 best Ph.D. theses, 26 posters have been recognized and were duly awarded with at the event. The proceedings of the symposium have been uploaded online in DAE SSPS website (www.daessps.in) with ISBN number: 81-8372-085-4.



Phase transitions and dynamics

Soft Condensed Matter including Biological Systems

Nano-materials

Experimental Techniques and Devices

Glasses and Amorphous Systems

Surfaces, Interfaces and Thin Films

Computational Methods and Electronic Structures

Single Crystals Growth and Characterization

Transport Properties

Semiconductor Physics

Magnetism, Superconductivity, and Spintronics

Energy Materials

TSRP-2022

A Symposium on Radiation & Photochemistry



Proceedings of TSRP-2022 released during the Inaugural Function.
(R-L) Dr. Awadhesh Kumar (Head, RPCD), Dr. A.K. Mohanty (Director, BARC),
Dr. A.K. Tyagi (Director, Chemistry Group, Dr. J. Mohanty (RPCD) and Dr. P. Mathi (RPCD).

The 16th DAE-BRNS 'Trombay Symposium on Radiation & Photochemistry' (TSRP-2022) was held virtually during January 12-15 this year at BARC Training School in Mumbai.

The Radiation & Photochemistry Division (RPCD) of Chemistry Group alongside Indian Society for Radiation and Photochemical Sciences (ISRAPS) organized the program, which included 16 scientific sessions comprising 4 plenary lectures and 30 talks by invited experts.

The proceedings of the entire program have been covered in detail in a souvenir, which was released by Dr. A.K. Mohanty, Director, BARC during the inaugural event. A special ISRAPS bulletin was also unveiled at the program. 250 delegates, including 26 eminent scientists from India and abroad from the ranks of several reputed R&D institutes attended the 4-day program.

The fundamental aspects of Photo and Radiation Chemistry, Chemical and Biological Applications of Radiation and Photochemistry, Ultrafast Processes, Chemical Kinetics and Dynamics at Interfaces, Metal and Semiconductor Nanoparticles, Radiation Induced Synthesis of Polymers, Nonlinear Spectroscopy, Energy and Electron Transfer, Development of Light Energy Conversion Devices, have been covered in the form of talks and presentations by the participants.

Meritorious persons have been recognized by awarding them with Dr. Harimohan Memorial Award in Radiation Chemistry and Dr. P.K. Bhattacharya Award in Photochemistry during the program.

Fundamental aspects of Photo and Radiation Chemistry

Chemical and Biological Applications of Radiation and Photochemistry

Ultrafast Processes

Chemical Kinetics and Dynamics at Interfaces

Metal and Semiconductor Nanoparticles

Radiation Induced Synthesis of Polymers

Nonlinear Spectroscopy

Energy and Electron Transfer

Development of Light Energy Conversion Devices

Symposium topics