

## **Profile of the Speaker**

Dr. P S R Krishna is a senior scientific officer in the Solid State Physics Division at the Bhabha Atomic Research Centre, Mumbai, India with over 36 years of experience in Neutron Scattering Research/Instrumentation. Currently, he is heading Advanced Neutron Instrumentation section. His research interests are in structural characterization of Functional network Glasses, Ferroics, Multiferroics, and Molecular liquids to understand structure–property relationships when disorder is present. Main tools used are X-ray and Neutron diffraction to obtain pair distribution functions and 3D models of materials using advanced inverse methods like Reverse Monte Carlo analysis. He is instrumental in the design and installation of the national facilities High-Q diffractometer and Powder diffractometer (PD-2) at the Dhruva Reactor, BARC, Mumbai. He has over 200 research publications. Worked as Visiting Scientist, ISIS Facility, Rutherford Appleton Laboratory, UK (1992-93), and helped to create (1) Cold neutron diffraction option on IRIS Spectrometer & (2) A facility for molecular spectroscopy using neutrons.

He has served as a Member representing Asia on “Commission on Neutron Scattering, International Union of Crystallography”, during the period 2008-10. PSR Krishna can be reached by email at [glass@barc.gov.in](mailto:glass@barc.gov.in).