

About NPMMI-2026 at BARC during October 8-10, 2026

Nuclear probes like neutrons, charged particles, and photons are at the forefront of modern science, enabling advanced research in nuclear chemistry, nuclear physics, solid-state physics, and materials science. The techniques based on nuclear probes play a crucial role in materials characterization and have transformative applications in healthcare, water, food, agriculture, and industry. During June 7-8, 2024, a Theme Meeting on Nuclear Probes for Materials, Medicine and Industry (NPMMI-2024) was successfully organized by RC&IG, BARC in association with Society for Positron Annihilation and Nuclear Probes (SPAN) C/o RC&IG, BARC at DAE Convention Centre with financial support from BRNS, DAE.

Building on this success, the 1st DAE-BRNS Symposium three-day symposium (NPMMI-2026) is being organized by RC&IG, BARC in association with SPAN aims to foster interdisciplinary collaboration among scientists, academicians, research scholars, and industry professionals to advance the utilization of nuclear probe techniques. This Symposium will also include a half-day special session to commemorate 70 years of Neutron Activation Analysis (NAA) in India since operation and utilization of 1 MW_t Apsara reactor, the first research reactor of India at BARC, Trombay, Mumbai in 1956.

Scope of NPMMI-2026

- A. Materials Research and Applications using Positron Annihilation
- B. Applications of Radioisotopes and Radiation in Healthcare and Industry
- C. Materials Research and Applications using Neutron Scattering and Imaging Techniques
- D. Nuclear Analytical Techniques for Chemical Characterization of Materials
- E. Isotope and Radiation Technologies for Societal (Water, Bio-Sciences, etc.) Applications
- F. Developments in Facilities for Nuclear Probes, including Electronics & Instrumentation
- G. Studies on High Intense Photons and Electrons as well as Sub-atomic Particles

Important Information and Tentative Deadlines

Online Submission of Abstract *	May 10, 2026
Abstract Submission Last Date	June 30, 2026
Acceptance Letters of Contributed Abstracts	July 15, 2026
Registration / Participation Fee Payment	July 31, 2026
Registration & Accommodation Forms	July 31, 2026
Invitation Letter for Participation	August 10, 2026

- One Page Abstract Submission As per Template given in Web page

Committee Members & Contact Details

Organizing Committee

Chair

Dr. Y. K. Bhardwaj
Associate Director,
RC&I Group, BARC
Trombay, Mumbai-400085
Email: ykbhard@barc.gov.in
Phone: 022-6929 0178

Convener

Dr. Raghunath Acharya
Head, IRAD, RC&IG, BARC
Trombay, Mumbai-400085
Email: racharya@barc.gov.in
Phone: 022-6929 4590

Secretary

Dr. Sudipta Chakraborty
Head, RCS, RPhD, BARC
Trombay, Mumbai-400085
Email: sudipta@barc.gov.in
Phone: 022-69293909

Chair, Technical Committee

Dr V. K. Aswal
Head, SSPD, BARC
Trombay, Mumbai-400085
Email: vkaswal@barc.gov.in
Phone: 022-69294642

Chair, Local Organizing Committee

Dr. Virendra Kumar
Head, RTDD, BARC
Trombay, Mumbai-400085
Email: vkumar@barc.gov.in
Phone: 022-6929 5683

Correspondence to:

NPMMI-2026 Secretariat
RPhD, RC&IG, BARC, Trombay, Mumbai-400085,
Email: npmmi2026@gmail.com
Ph:022- 6929-4598 / 69299006 / 6929 3909

Details of Symposium with online facilities in SPAN Website: <https://www.span-india.org>
(under NPMMI-2026 Symposium)

Information Available at BARC Website: <https://www.barc.gov.in/symposium/>
(under NPMMI-2026 Symposium)