



South Asia Centre for Medical  
Physics and Cancer Research

SCMPCR

# Newsletter

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QUALITY EDUCATION AND HEALTH SCIENCE FOR PATIENT BENEFIT

## *BMPS organizes its 4th International Conference on Medical Physics in Radiation Oncology and Imaging (ICMPROI-2025)*

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The 4th International Conference on Medical Physics in Radiation Oncology and Imaging (ICMPROI-2025) was held from February 13 to 15, 2025, at BRAC University in Dhaka, Bangladesh. The event was jointly organized by the Bangladesh Medical Physics Society (BMPS) and BRAC University, in collaboration with the South Asia Centre for Medical Physics and Cancer Research (SCMPCR), and officially endorsed by the International Organization for Medical Physics (IOMP) and the Asia-Oceania Federation of Organizations for Medical Physics (AFOMP).



**A Landmark Event for Global Medical Physics Collaboration:** The ICMPROI-2025 marked a defining moment in the field of medical physics across South Asia and beyond, bringing together over **150**

researchers, medical physicists, clinical professionals, and students from more than **15 countries**. Themed “**Medical Physics in Cancer Care: Challenges and Opportunities for International Cooperation**,” the event focused on harnessing global partnerships to elevate healthcare standards in low- and middle-income countries.

## Conference Highlights

- **Opening Ceremony:** Distinguished guests including **Prof. Dr. Mohammad Anwar Hossen** (Chief Guest, UGC Member), **Prof. Dr. Syed Ferhat Anwar** (VC, BRAC University), and international experts from the UCSF, NICRH, and AFOMP graced the opening. **Prof. Dr. Golam Abu Zakaria**, a pioneer in medical physics, delivered a powerful keynote on the global trajectory of cancer care and medical physics development.

- **Scientific Program:**

Over **15 technical sessions** were held, covering areas like:

- 🌐 Artificial Intelligence in Radiotherapy
- 🌐 Brachytherapy Innovations
- 🌐 Medical Imaging and Diagnostic Technologies
- 🌐 Radiobiology, Dosimetry, and Radiation Protection
- 🌐 Education & Professional Development in Medical Physics
- 🌐 Global policy frameworks and institutional roles



Eminent speakers included **Prof. Tomas Kron**, **Prof. Chai Hong Yeong**, **Dr. Manju Sharma**, and representatives from IOMP, AAPM, DGMP, and SCMPCR.

- **Pre-Congress Workshop (Feb 12, CMH Dhaka):** Hands-on training in **SRS/SBRT, Small Field Dosimetry, Contouring, and End-to-End QA**, delivered by world-class facilitators like **Dr. Maria Mania Aspridakis** and **Dr. Manju Sharma**.
- **SCMPCR & AAPM Joint Session:** Focused on transformative education models, regional training initiatives, and the expansion of **tele-education and e-learning platforms** in Asia and Africa.
- **Poster & Vendor Exhibits:** Showcased cutting-edge innovations from **Varian, PTW, Radformation**, and others, demonstrating AI-powered auto-contouring, adaptive radiotherapy, and SGRT.

**Community and Cultural Exchange:** The event concluded with a grand **Cultural Program and Gala Dinner**, celebrating diversity, innovation, and unity in global cancer care. The participation of young researchers and professionals underscored the growing strength of the next generation in medical physics.

ICMPROI-2025 served as a beacon of international cooperation, igniting meaningful dialogue and collaborative spirit. It reaffirmed Bangladesh's and South Asia's growing role in shaping the global discourse on medical physics, cancer research, and sustainable healthcare development.