

MESSAGE FROM IOMP PRESIDENT

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Dear colleagues,

This year has been marked by significant progress, impactful collaborations, and inspiring initiatives that continue to advance our profession and strengthen our shared commitment to improving patient care through medical physics. From global events and educational workshops to innovative projects and outreach activities, 2024 has been a year of growth and meaningful contributions from colleagues and partners worldwide. In this message, I would like to highlight a few of the most important events and initiatives that have defined our collective journey.

Medical Physics International (MPI) is a freely accessible journal dedicated to medical physics education, professional development, and global collaboration. It serves as a platform for sharing knowledge, insights, and innovative approaches in medical physics, with a strong emphasis on educational methods, professional growth, and the dissemination of best practices. The journal focuses on publishing general review articles, reports on specific educational strategies, and resources that support the professional development of medical physicists worldwide. In addition to regular issues, MPI introduced this year a designated "Proceedings Series" for the publication of congress abstracts, making it easier for researchers and practitioners to access information from specific scientific events. This initiative enhances the visibility of academic contributions and facilitates the dissemination of key findings from global conferences. Authors interested in contributing to MPI are encouraged to follow the journal's submission guidelines, which outline the requirements for preparing and submitting manuscripts.

The **International Day of Medical Physics (IDMP)**, celebrated annually on November 7th, honors the birthday of Marie Curie. The theme for 2024 was *"Inspiring the Next Generation of Medical Physicists"* emphasizing the need to attract young talent in the field. The overarching message of IDMP 2024 reflected a shared commitment to inspiring future generations. A global poster competition was held in preparation for IDMP 2024, and **Dr. Lavanya Murugan** was selected as the winner for her design, which captured the theme's essence. A very successful 24-hour global event titled *"Around the World in 24 Hours: Celebrating Medical Physics"* was held on November 7th, bringing together regional and national organizations to share presentations, strategies, and plans.

The **International Medical Physics Week (IMPW)** is an annual global event organized by the IOMP to highlight the critical role of medical physicists in healthcare. IMPW serves as a platform for knowledge sharing, collaboration, and promoting awareness of the contributions medical physics makes to improving patient care and advancing healthcare technologies. In 2024, IMPW was celebrated from **April 22 to April 26**, with a series of online webinars organized by IOMP's regional organizations. This global initiative underscores the importance of collaboration and continuous learning in addressing current challenges and advancing the field of medical physics.

IOMP actively supports the global medical physics community through the **sponsorship and endorsement of events**. IOMP supported many events during 2024 and relevant information was included in my IOMP newsletter messages. By providing official recognition and support, IOMP helps ensure that medical physics events,

including conferences, workshops, webinars, and training programs, achieve broader visibility, attract greater participation, and maintain high standards of scientific and educational quality. Endorsed events often provide opportunities for early-career professionals and students to engage with experts, participate in hands-on training, and gain insights into cutting-edge research and technologies. Organizers seeking IOMP sponsorship or endorsement are encouraged to align their events with the organization's mission and objectives. Clear educational goals, relevance to the field of medical physics, and potential for long-term impact are key criteria for consideration.

The IOMP recognizes the importance of **hands-on training and targeted education** in advancing the expertise and skills of medical physicists worldwide. IOMP organized a **significant workshop** held in Malaysia a few days before the **Asia-Oceania Congress of Medical Physics (AOCMP) and the South-East Asia Congress of Medical Physics (SEACOMP)**. The event included expert-led sessions, interactive discussions, and opportunities for hands-on training, offering participants a well-rounded learning experience. The workshop also served as a platform for knowledge exchange and collaboration among professionals from various countries in the Asia-Oceania region.

Looking ahead to February 2025, IOMP, in collaboration with the Middle East Federation of Organizations of Medical Physics (MEFOMP), will organize another key workshop in Kuwait. This event, titled "**Advances in CT Dosimetry and Machine Learning: Optimizing Patient Safety and Dose Estimation,**" will take place alongside the **MEFOMP Medical Physics Conference**. The workshop will span four days and focus on both theoretical foundations and hands-on practical training in CT dosimetry, radiomics, and machine learning workflows. Participants will gain exposure to the latest methodologies, tools, and practices aimed at enhancing diagnostic precision, patient safety, and treatment optimization. To ensure effective engagement, practical sessions will be limited to a pre-selected group of participants, allowing for personalized guidance and in-depth training.

The **IOMP Accreditation Board** plays a key role in maintaining and promoting high standards in medical physics education, training programs, and professional development activities worldwide. Throughout 2024, the Accreditation Board has been actively involved in evaluating and accrediting numerous events, including conferences, workshops, residency programs and training courses. This accreditation process ensures that events meet globally recognized standards, provide valuable educational content, and contribute meaningfully to the professional growth of medical physicists. Accreditation by IOMP signifies that an event adheres to rigorous quality benchmarks, including clear educational objectives, scientifically sound content, and relevance to contemporary challenges in medical physics. The IOMP Accreditation Board's activities in 2024 have contributed significantly to strengthening global collaboration in medical physics.

The **e-Medical Physics World (eMPW)** is the biannual newsletter of the IOMP, serving as a vital communication platform for the global medical physics community. Together with our **Newsletter, IOMP's website and social media**, MPWB delivers updates on the latest advancements, challenges, and achievements in the field, highlighting key initiatives, events, and collaborations led by IOMP and its member organizations. The newsletter features insightful articles from experts, reports on major conferences, updates on ongoing projects, and announcements of upcoming educational opportunities.

The upcoming **World Congress on Medical Physics and Biomedical Engineering** will take place in **Adelaide, Australia, from September 7 to 12, 2025**. This prestigious event, held every three years, is jointly organized by the IOMP, the International Federation for Medical and Biological Engineering, and the International Union for Physical and Engineering Sciences in Medicine. The congress serves as the largest international gathering of medical physicists, biomedical engineers, healthcare professionals, researchers, and industry leaders. Under the overarching theme "Innovating Healthcare through Medical Physics and Biomedical Engineering" the congress will feature a diverse scientific program, including keynote lectures, plenary sessions, parallel tracks, workshops, and poster presentations. Attendees will have the opportunity to explore the latest advancements in areas such as

artificial intelligence in medical imaging and therapy, precision medicine, radiation therapy, diagnostic radiology, healthcare technologies, and patient safety initiatives.

I would like to extend my gratitude to all members of the Executive Committee and colleagues around the world for their dedication, support, and commitment. I am deeply appreciative of the time, expertise, and passion you bring to every initiative, meeting, and project. Together, we have created a strong foundation for future growth, inspiring the next generation of medical physicists and improving patient care worldwide. Thank you for your continued collaboration, professionalism, and dedication to our shared mission.

Happy 2025!