



**International Commission on Medical Physics Committee, IComMP
International Union of Pure and Applied Physics (IUPAP)
Affiliated Commission AC4: Medical Physics**

Fridtjof Nüsslin, Chair

**Report on Activities from September 2015 till September 2017
Addendum for the period Oct 2017 – April 2018**

1. International Day of Medical Physics (IDMP):

Traditionally the IOMP is celebrating the birthday of Marie Skłodowska-Curie (7th November) as the International Day of Medical Physics. As announced in the previous report, in 2017 it is her 150th birthday, good reason to specifically dedicate the IDMP to women by promoting lectures and events under the theme “*Providing a Holistic Approach to Women Patients and Women Staff Safety in Radiation Medicine*”. The celebrations of the IDMP 2017 were web-casted to all medical physicists globally. A number of countries held special celebrations and prepared posters with prominent women medical physicists.

2. International Women’s Day:

Within the framework of the International Women’s Day the IOMP published a call challenging the member organizations to approach all institutions - governments, administrations, schools etc – to emphasize the many job opportunities in health care in future. WHO estimates about 40 million positions in this field for 2030.

3. Asia Oceania Congress of Medical Physics in Jaipur 2017:

Under the general conference theme “Advances in Medical Physics: shaping the future of modern healthcare” emerging trends in Medical Physics with particular emphasis on radiology, radiotherapy, nuclear medicine, biophysics, radiobiology and biomedical engineering have been discussed. More than 850 delegates from 30 countries attended the meeting. AOCMP turned out to be the most relevant gathering of the medical physics community in Asia. Most of the IOMP Executive Committee attended the AOCMP (associated with the Annual Conference of the Indian Association of Medical Physics) and held its regular meeting in Jaipur.

4. IUPAP Young Scientist Medal 2017:

The IOMP A&H committee announced the winner of the IUPAP award 2017: Dr Abdul Nashirudeen Mumuni from Ghana. Dr.Mumuni is honoured for his outstanding contribution to the advancement of quantitative Magnetic Resonance Spectroscopy techniques in studies of brain metabolism through his research. He is engaged in national and international fora for knowledge exchange and innovation, towards the advancement of Medical Physics applications. With the IUPAP YSc award his character of support, mentorship and innovation in coordinating matters of transferrable skills in both Medical Physics and Radiography in Ghana is acknowledged.

5. World Congress on Medical Physics & Biomedical Engineering 2018:

The triannual global gathering of the medical physics & bioengineering community will be held in Prague/Czech Republic, 3-8-June 2018. The final programme will be available shortly. Thanks to the IUPAP congress sponsoring program it is again possible to organize a special Workshop on *Medical Physics Partnering with the Developing World*. The aim of this regular IOMP/IUPAP Workshop is to support the medical physics capacity building in the Low-and-Middle-Income countries (LMIC). Special attention will be given to the activities necessary to address the expected tripling of the profession in the coming 20 years. This Workshop is expected to attract about 100 participants, including the Presidents and senior officers of the IOMP Regional Organizations from Asia, South-East Asia, Middle East, Africa and Latin America. It is made on purpose as a satellite activity to the large World Congress of Medical Physics WC2018, which will attract approx. 2000 specialists from almost all 86 IOMP national member societies. This event will include various plenary and public lectures.

6. Project History of Medical Physics

The large project “History of Medical Physics” initiated in 2016 (J. Medical Physics International 2017, no.1 p.68) has started its first chapters related to professional development and history of diagnostic radiology physics.

7. IOMP Incorporation

From 1 Jan 2018 IOMP was incorporated with a headquarter in York, UK (at the offices of IPeM).

8. Newsletter C6:

Chair AC4 appreciated the invitation of the Chair C6 to publish an article in the C6-Newsletter “*The commissions on Medical Physics (AC4) and Biological Physics (C6) – strengthening the cooperation between two neighbour sciences under the roof of the IUPAP*”. (see report C6)

9. Change in Chairmanship AC4:

At the forthcoming World Congress on Medical Physics & Biomedical Engineering 2018, a new crew of IOMP recently elected takes office. After such a long time of nearly 12 years serving IUPAP as chair of AC4, it is time to hand over the steering wheel to a successor who will be determined by the incoming president of IOMP, Prof. Madan Rehani. This is the opportunity to express my sincere gratitude to the IUPAP, current president Kenneth Reed and his staff, in particular to Maitri Bobba, and of course to all members of AC4 and the colleagues and friends from all Commissions. It was a fantastic time and I enjoyed the many discussions throughout all branches of physics and by that to continuously learn what physics is about, to share recent developments and sometimes to get new ideas even for the own field. Physics is fascinating in all its facets, this is what I take home from my time with IUPAP.

More details about the activities of IOMP can be found in the recent issues of Medical Physics World (eMPW) and Medical Physics International (MPI), available from: www.iomp.org

Next meeting: at the World Congress for Medical Physics & Biomedical Engineering in Prague, 3-8 June 2018. Details to be announced.

Munich, April 2018

Fridtjof Nüsslin

Chair IUPAP Affiliated Commission Medical Physics, AC-4

Past-President IOMP

Slavik Tabakov, President IOMP