IOMP Initiatives on Equipment Related Professional Capacities

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Chair IOMP Medical Physics World Board
Edit In-Chief IOMP MPW
Deputy Editor Health & Technology
The International Organization for Medical Physics

- WHO NGO
- Founded in 1963
- Members:
  - 86 National Member Organizations
  - 6 Regional Organizations
  - Corporate members
- Representing ca. 25,000 Medical physicists worldwide
The International Organization for Medical Physics

IOMP: Global Organization with 6 Federations + 86 National societies

- USA + Canada: 8300
- EFOMP: 8400
- ALFIM: 800
- FAMPO: 400
- MEFOMP: 600
- SEAFOMP: 500
- AFOMP: 4600

IOMP: 86 countries ~24,000 members

Fig. 2: Approximate number of medical physicists in the world in 2016 – IOMP data per Federation/Regional Organizations
IOMP’s Mission & Objectives

- Advance medical physics practice worldwide by disseminating scientific and technical information, fostering the educational and professional development of medical physics and promoting the highest quality medical services for patients.

- Organize international cooperation in medical physics and allied subjects; contribute to the advancement of medical physics in all its aspects, especially in developing countries; encourage and advise on the formation of national organizations of medical physics in those countries which lack such organizations.
How to Interact with IOMP

- Become a member of any of the Committees of IOMP, usually at start of the term every 3 years and through Chair of one of the Committees.
- Get elected to management team of IOMP. Next election is at the end 2017 for the term 2018-2021.
- Be aware about IOMP awards (Marie Skłodowska-Curie Award, Harold Johns Medal, John Mallard Award, IOMP Award, IUPAP Young Scientist Award in Medical Physics).
- Implement actions in member countries through existing committees.
- Avail travel support for participation in WCs and ICMPs.

Submit a manuscript to the Medical Physics International (MPI) journal.

Contribute articles to eMPW on topics of wider interest.

Promote your products in medical physics field through IOMP website and publications and become corporate member of IOMP.*

*Against payment of fee.

Contribute to the IDMP Women Subcommittee.

Take advantage of sponsorship/funding for organizing scientific, educational and professional meetings.

Participate in World Congresses (WCs) held every 3 years and International Conference on Medical Physics (ICMPs) in between two WCs.

Visit www.iomp.org

Organize or join an event to celebrate the International Day of Medical Physics on November 7. www.iomp.org/idmp

Third WHO Global Forum on Medical Devices, Geneva, Switzerland, 10-12 May 2017
IOMP Initiatives

- Workshops on quality control, equipment selection and management, e-learning
- IOMP School – 46 mini simposia
- Accreditation & Certification
- Current trend: support the increase of medical physicists in Latin America and Africa. Packages of educational materials, guides, courses, educational centers
- Regional Coordination Board - assists the coordination of the efforts for harmonised development of the profession.
IOMP Publications

- Medical Physics World
- Medical Physics International
- Physics in Medicine and Biology
- Physiological Measurement
- Medical Physics
- Journal of Applied Clinical Medical Physics
- Health & Technology
- Medical Physics & Biomedical Engineering
- EMITEL Encyclopaedia of Medical Physics
- EMIT Dictionary of terms
**MPI - Technology & Innovations**

- MPI provides a forum for exchange of educational experience and professional issues and collaborated successfully with the existing Research-orientated Journals in medical physics and with the industry in the field.

MPI web site ([www.mpijournal.org](http://www.mpijournal.org)) statistics of unique visits
Medical Physics and Biomedical Engineering Series

- Leading international book series
- Applications of physical sciences, engineering, and mathematics in medicine and clinical research
- Upper-level undergraduate and graduate textbooks, practical handbooks, advanced research.
Collaboration with International Organizations

- WHO NGO
- IAEA
- UNESCO
- ICRP
- CRC
- ILO
- ICTP
- UIPESM
- IUPAP
- ESR/ECR, RSNA
Collaboration with WHO

- WHO NGO

- Collaboration in: Health systems and Promoting health through the life-course
Strong Demand for Medical Physicists – IOMP Challenges

- Further development of education and training
- Dynamic profession
- Sharing teaching expertise and materials
- Developing of new e-learning activities
- More effective education methodologies
- Topical Conferences and Workshops
- IOMP School
- Establishment of Regional Training Centres
Building Sustainable Relations

Recognition and Growth

WHO NGO

ILO Recognized (ISCO-08)

<table>
<thead>
<tr>
<th>Groups</th>
<th>Major Groups</th>
<th>Sub-major Groups</th>
<th>Minor Groups</th>
<th>Unit Groups</th>
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<tbody>
<tr>
<td>Total No.</td>
<td>10</td>
<td>43</td>
<td>130</td>
<td>436</td>
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<tr>
<td>1. Managers</td>
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<td>2. Professionals</td>
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<tr>
<td>3. Technicians &amp; Assoc.</td>
<td>21 Sc. &amp; Eng. Prof.</td>
<td>22 Health Prof.</td>
<td>23 Teaching Prof.</td>
<td>Etc.</td>
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<td>5. Service &amp; Sales Workers</td>
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<td>6. Skilled Agricultural, Forestry etc.</td>
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<td>7. Craft and Related Trades</td>
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<td>8. Plant &amp; Machinery Operators</td>
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<td>9. Elementary Occupations</td>
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<tr>
<td>10. Armed Forces</td>
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Stable trend 1965-2015

High demand 2015-2035
**Acknowledgements**

- Prof. Slavik Tabakov, President IOMP
- All members of IOMP Executive Committee
- IOMP National Member Organizations and Regional Organizations
- IOMP Collaborating Organizations
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*IOMP’s recognition as WHO NGO was initiated in 2013, during the Second Global Forum.*

- All Medical Physics Professionals whose dedication contributes daily to the improvement of the profession

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THANK YOU!