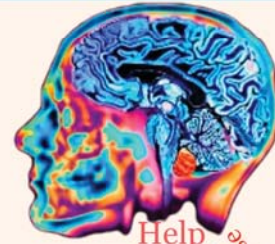




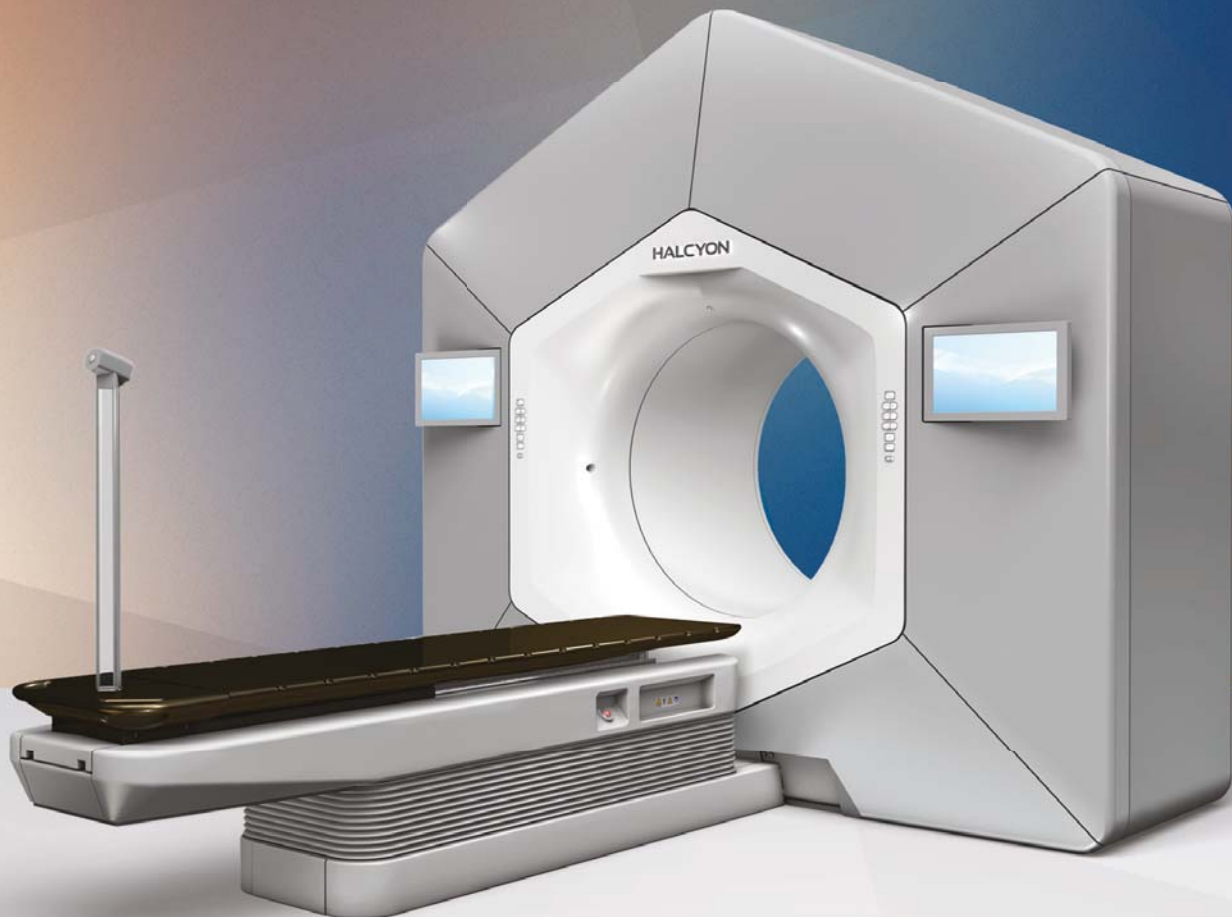
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Medical Physics World

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IOMP NMOs

National Member Organisations

| | |
|-------------------------|------------------------|
| Algeria | Morocco |
| Argentina | Myanmar |
| Australia & New Zealand | Nepal |
| Austria | Netherlands |
| Bangladesh | New Zealand |
| Belgium | Nigeria |
| Brazil | Norway |
| Bulgaria | Pakistan |
| Cameroon | Panama |
| Canada | Peoples Rep. of China |
| Chile | Peru |
| Colombia | Philippines |
| Croatia | Poland |
| Cuba | Portugal |
| Cyprus | Qatar |
| Czech Republic | Rep. of China - Taiwan |
| Denmark | Rep. of Macedonia |
| Ecuador | Rep. of Moldova |
| Egypt | Romania |
| Estonia | Russia |
| Finland | Saudi Arabia |
| France | Singapore |
| Georgia | Slovenia |
| Germany | South Africa |
| Ghana | Spain |
| Greece | Sri Lanka |
| Hong Kong | Sudan |
| Hungary | Sweden |
| India | Switzerland |
| Indonesia | Tanzania |
| Iran | Thailand |
| Iraq | Trinidad & Tobago |
| Ireland | Turkey |
| Israel | Uganda |
| Italy | Ukraine |
| Japan | United Arab Emirates |
| Jordan | United Kingdom |
| Korea | United States |
| Kuwait | Venezuela |
| Lebanon | Vietnam |
| Lithuania | Zambia |
| Malaysia | Zimbabwe |
| Mexico | Bangladesh - AFFILIATE |
| Mongolia | |

President's Report

Slavik Tabakov

President of IOMP (June 2015 - June 2018)



Introduction

The International Organization for Medical Physics (IOMP) now includes almost all Medical Physics Societies in the world, its members being more than 27,000 globally. Medical Physics is one of the corner stones of contemporary medicine and our colleagues take important part in the global advancement of healthcare. Important parts of medicine as medical imaging, radiotherapy treatment, radiation safety and others are now unthinkable without medical physicists. IOMP worked very hard, together with IUPESM, for the recognition of medical physics at international level, what resulted in the inclusion of the profession in the ISCO list during the previous term of office. To further underline this enormous contribution of our

profession to medicine IOMP launched in 2017 a new international project "History of Medical Physics".

The current Report covers the IOMP term of office June 2015 – June 2018, aiming to give an overview of the activities of the Organization and its Executive Committee (ExCom), while these activities will be described in more detail in the specific reports of the members of IOMP ExCom.

I am very happy to report that over this period IOMP made a very good progress. During this period my IOMP ExCom colleagues worked very hard for the advancement of the profession - we stepped on the achievements of the previous IOMP terms of office; further developed these; added new activities, and prepared specific foundation for the future IOMP terms of office. Before starting my Report, I want to heartily thank all ExCom members and all members of the IOMP Committees for their dedicated voluntary work. About 100 colleagues from 43 countries took active part in the various IOMP Committees and activities during this period. I want also to thank all colleagues in the IOMP Council and colleagues from various countries, whose contribution to the global development of medical physics was, and will be, the real blood of the profession. It was my

honour and pleasure to be closely involved in this work.

Regional Coordination Board (RCB)

This new Board of the IOMP was formed immediately after the Council meeting in Toronto 2015, aiming to increase the cohesion and coordination between all IOMP Regional Organizations (Federations). During its first term the Board had 4 meetings and agreed and supported all strategic activities of the IOMP, including the themes of the International Day of Medical Physics, the History project and the IOMP legal representation. The Board provided also very good horizontal synchronization and inter-continental support of various professional activities. The very important role of the RCB for IOMP, and the profession in large, was immediately seen through various joint activities.

I want to specially thank all Presidents and General Secretaries of the IOMP Regional Organizations (Federations) and main Societies for their very active contribution to the RCB.

Scientific activities

IOMP assessed and approved scientific activities in all continents. Major scientific contributions were made to the organization of the International Conference on Medical Physics in Bangkok, 2016 (ICMP2016), and

to the World Congress in Prague WC2018. The Abstracts of ICMP2016 and some abstracts for WC2018 were prepared for publication in the IOMP Journal Medical Physics International.

IOMP was also actively present at the Medical Physics Congresses in Europe (Athens), Latin America (Cordoba) and Asia (Jaipur). Additionally IOMP contributed to the current large report of the UNSCEAR and to the assessment of several IAEA publications.

For these activities I want to specially thank the Scientific Committee and its Chair Prof. Geoff Ibbott, as well as the ICMP2016 President Prof. Anchali Krisanachinda.

Education and Training activities

IOMP was very active in this field over the past period. There were a number of supported courses and workshops, but one of the activities has special importance. The existing educational sessions, associated with the ICMP and World Congresses were grouped in a new activity "IOMP School", which was launched at ICMP2016 in Bangkok, after this the School took place at the AOCMP2017 in Jaipur, and is now scheduled in Prague WC2018. This activity provides excellent support for our young colleagues, and also increases the visibility of IOMP, so it will be very useful to continue in the future.

Another milestone in this field was the development of procedures for the International Accreditation of educational courses and other teaching activities. The first accredited

University course was the MSc in ICTP, Trieste. Further activities will be supported and a Guide for this was developed - the Accreditation Manual, published in 2017. There was also a special International Day of Medical Physics, associated with education, which will be again mentioned further down.

For these activities I want to specially thank the Education and Training Committee and its Chair Prof. John Damilakis.

Professional activities

Over the period IOMP included 4 new members to its family, including the first Affiliated member. Various professional and educational activities were supported in all continents. About half of those were in close collaboration with the AAPM ISEP.

Travel Grants were made available and applications were assessed, resulting in the support of many colleagues from Low-and-Middle-Income (LMI) countries. Two special Workshops on Capacity Building in LMI countries were organized - in Bangkok and now in Prague. The support for these countries was also seen in the activities for development of medical physics in Central America and the Caribbean Region, which are now included in a Regional IAEA project. This support was seen also in the IOMP activities for the ICMP2016 in Thailand, as well as the current work for ICMP2019 in Chile. During this period two colleagues from Africa received the Young Scientist Medals. The Library program, together with AAPM, was also very active.

For these activities I want to specially thank the Professional Relations Committee and its Chair Dr Yakov Pipman, and also the Secretary General Dr Virginia Tsapaki

Publication activities

The IOMP Publication work included almost all Editors of the main Journals in the profession. Additionally the Publication Committee was closely involved with our commercial partner CRC Press, what resulted in the assessment of about 20 books and other publications, which IOMP members have at reduced prices. A new CRC Focus series was also initiated aiming at quick publication of topical e-books.

During this period a Special issue was prepared by IOMP together with the European Journal of Medical Physics and further activities were initiated leading to a Memorandum of Understanding with this Journal. For these activities I want to specially thank the Publication Committee and its Chair Prof. Tae-Suk Suh.

Awards and Honours Activities

IOMP had numerous activities in this field. Apart from the many assessed applications for the existing IOMP Awards, 13 Fellows of IOMP were elected. New Certificates for the Presidents of Regional Organizations were introduced. Special Award Folders were made for various awards and honours.

Most importantly, two new Awards were approved and launched:

- IDMP Award – to be presented annually during IDMP to colleagues from all IOMP Regional Organizations (Federations) for promoting medical physics to a larger audience – introduced at 2015-16;

- John Mallard Award – to honour a medical physicist who has developed an innovation of high scientific quality and who has successfully applied this innovation in clinical practice - to be presented every 3 year during the ICMP – introduced in 2016

For these activities I want to specially thank the Awards and Honours Committee and its Chair Dr Simone Kodlulovich Renha.

Medical Physics World Board activities

Over the period the IOMP Newsletter Medical Physics World continued to have its regular issues with exceptional quality. A Special Issue was produced related to Women in Medical Physics and another is planned for the Way Ahead. Another very important activity was the exchange of news between MPW and the newsletters of various societies and Regional Organizations (Federations). This was facilitated by the RCB and was very useful for the increased visibility of IOMP.

The Board also cares for the IOMP Web site (Web Sub-Committee) – the IOMP site and its News column were regularly updated. Renovation of the Web site is going on at the moment, aiming at its launch during the World Congress in Prague.

For these activities I want to specially thank the Medical Physics World Board and its Chair Prof. Magdalena Stoeva.

Journal Medical Physics International

Over the period the IOMP Journal Medical Physics International (MPI) continued its regular publications (twice per year). The MPI web site statistics surpassed 10,000 visits per month – this way becoming one of the most read Journals in the profession. The Journal also published the ICMP2016 Abstracts and a Special Issue on History of Medical Physics. In Dec 2017 the Journal began its second editorial term.

For these activities I want to specially thank the Editorial Board and my Co-Editor Prof. Perry Sprawls

International Day of Medical Physics

IOMP continued to organize the global celebrations of the International Day of Medical Physics (IDMP, 7 November). The main IDMP themes for the period were related to Radiotherapy, Education and Women in Medical Physics. These celebrations spread all over the world and increased greatly the visibility of our profession. To further strengthen these activities IOMP launched a special IDMP Award.

The IDMP 2017, celebrating also the 150th birthday of Maire Sklodowska Curie, was celebrated by the IOMP ExCom, AFOMP and AMPI at AOCMP 2017 in Jaipur. The event was web-cast globally by the IAEA. In

the same year the UK IPeM presented to UNESCO an application for our professional day IDMP to be considered as one of their supported global events.

For these activities I want to specially thank the IDMP organizers in all countries, the AOCMP2017 President Prof. Arun Chougule and the main IOMP Coordinator of the celebrations - Prof. John Damilakis.

Women Sub-Committee

The IOMP Women Sub-Committee (WSC) was very active over the period. It organized topical Workshops at ICMP2016 and WC2018. It also produced a sub-web site under IOMP, as well as a Special issue of MPW in 2017 and Posters for the International Women's Day. The impressive work of the WSC resulted in the proposal from the ExCom in near future a full Women Committee to be organized in IOMP.

For these activities I want to specially thank all WSC members and its Founding leader Dr Virginia Tsapaki.

EMITEL Encyclopedia and History of Medical Physics projects

The EMITEL Encyclopedia is used globally by many colleagues through its web site. Over the period the project went through an official update arrangement with CRC Press and the activity starts in 2018.

The History of Medical Physics project will also have its major activities starting in 2018 with the support of the History Sub-

Committee (the first chapters were published in the MPI Journal during April 2018).

I want to specially thank all colleagues who contribute to these important reference projects.

International Relations

IOMP continued active international relations with IAEA, WHO, IUPAP, IMPCB, UNSCEAR, ISR, IRPA, MPWB and others. IOMP took part in a number of activities of IAEA – approved 3 IAEA publications in medical physics and led the large ICRPM Conference (Vienna, December 2017). Also, IOMP defended successfully its status of Non-Governmental Organization (NGO) to the WHO and co-organized a number of activities with WHO, as per the agreed collaboration plan. Over the period IOMP made two successful applications for funding to the IUPAP (through the IComMP) and organized two large Workshops for LMI countries. Support was also given to the successful start of the International Certification activities of the IMPCB. Exchange of Letters for cooperation was made with UNSCEAR. Discussions were initiated for MoU with ISR and other Organizations. Discussions were made and the financial support received from PTW was for our Presidential Reception.

I want to specially mention that during this period IOMP arranged regular meetings with the leads of our sister organization IFMBE, and with the leads of the IUPESM.

For these activities I would like to thank all ExCom, and especially Dr Virginia Tsapaki, Prof. Madan Rehani, Prof. Geoff Ibbott, Prof. Fridtjof Nüsslin, Prof. John Damilakis and Prof. KY Cheung.

Financial and Administrative activities

During the past period IOMP was in close contact with the UK IPEM to arrange its financial and tax status, what was completed successfully in 2016. IOMP also stabilized its electronic banking and organized a new digital documents archive. IOMP completes the period with positive budget balance.

For these activities I would like to thank the Finance Subcommittee, the Treasurer Prof. Anchali Krisanachinda, the Secretary General Dr Virginia Tsapaki, the Administrative Secretary Ms Sally Hawking and the staff of the UK IPEM, hosting our office.

IOMP legal representation

One of the most important activities over the period was the arrangement of the IOMP legal representation by its own structure – an IOMP Company. Special meetings and discussions were made for the purpose with Law and Finance companies. A new formula was successfully introduced – an IOMP Company, including all ExCom members. The members of the Company represent the interests and fulfil the objectives of the IOMP Council. This IOMP activity was discussed and approved by the RCB and by the Council (Dec 2017). The new Company was launched on 1st January 2018

with headquarters in the offices of UK IPEM, which hosts IOMP for the past 10 years. This action quickly proved very useful – initially for the renewal of our NGO status with WHO and the financial arrangements with CRC Press.

For these activities I would like to thank all members of RCB and ExCom, and specially the Work-Group on the subject, including Ms Sally Hawking, Prof. Stephen Keevil and the staff of the UK IPEM.

Rules and Nominations activities

Amendments to the IOMP Statutes were made related to the new IOMP Company. These were presented to the Council during the approval of this activity. The Nomination Committee was formed with the help of the RCB and smoothly passed all activities for the selection of the candidates for the new term of office

For these activities I would like to thank all members of Rules Committee, the Nomination Committee, also the Tellers of the Elections, and the Chair of both Committees Prof. Madan Rehani.

Personal Involvement

My personal involvement was in close collaboration with all IOMP Committees, in particular: the charring of the RCB; the organization of the Workshops with the LMI countries; the initiation of the IOMP accreditation activities; the co-organization of the ICOMP2016; the founding of the “IOMP School”; the links with the CRC Press; the introduction of the

two new IOMP Awards; the Co-Editing of the Journal Medical Physics International; the strong support for the IDMP celebrations and the International relations of IOMP; the direct involvement in two IAEA projects; the lead of the activities for IOMP legal representation; the overall chairing of the IOMP ExCom work and the newly created IOMP Company.

The main tasks planned for this very intensive period (June 2015 - June 2018) were completed. Additional tasks were also introduced and most of them completed. During this term of office the IOMP ExCom had 14 meetings (face-to-face and virtual) and several ad-hoc discussions. I was very happy to see the constructive, but also

friendly, collegial atmosphere during these meetings.

Conclusion and Acknowledgements

Being in the IOMP structures and rising through its ranks for 20 years, I have had the opportunity to witness and take part in the extremely intensive work of our Organization for the global development of medical physics. This could not have been possible without the incredible contribution of thousands of volunteers from the National Societies, Regional Organizations and IOMP Committees. I am very grateful to all these colleagues for their support and contribution to the IOMP objectives. The big challenge in front of the profession – tripling the number of medical physicists globally by 2035 – can only be

achieved through such international collaboration.

To serve you as IOMP President was the greatest honour in my professional life and I thank you all for the support. I am especially grateful to the Council members and to the IOMP Officers, Chairs and Members of Committees, Sub-Committees and Work/Task Groups in this period, specifically mentioning the Secretary General Dr Virginia Tsapaki and the Admin Secretary Ms Sally Hawking. I also want to thank my wife and colleague Dr Assia Tabakova, for all her support over this intensive period.

Finally it is my pleasure to wish to the new IOMP ExCom during the next period, headed by Prof. Madan Rehani, further success in the advancements of our humane profession.

IOMP ExCom Congratulates the new FIOMP



Geoffrey Ibbott



Yakov Pipman



Magdalena Stoeva



Melissa Martin

IOMP Company Report

Submitted respectfully on behalf of the IOMP Company Members and Board of Directors,
Slavik Tabakov, Director of IOMP Company



The need of legal body representing IOMP and having an official Registration for the organization is very important for the IOMP and the profession as a whole. This is especially true in the present time, when such Registration is more and more often required.

The discussion on this issue was initiated in the period 2009-2012 and was discussed at the IOMP Council meeting in Beijing (WC2012), resulting in resolution paving the way ahead in this direction. From its first meeting the current ExCom discussed the topic of forming a legal representation of the IOMP. A Work Group (WG) was formed including Slavik Tabakov

(Chair), Stephen Keevil and Sally Hawking. The WG had six meetings with Law and Finance Companies aiming to find a suitable legal formula for this. Almost all ExCom meetings included discussions on the topic. The solution, which was found and supported both by the IOMP ExCom and the IOMP Regional Coordination Board, included forming a specific IOMP Company, which will represent legally the IOMP Organization.

The Board of Directors of the IOMP Company consist of the five elected Officers of the IOMP Organization – i.e. President, Vice-President, Secretary-General, Treasurer and immediate Past-President. The Directors plus the elected Committee Chairs form the Company membership. The members of the Company represent the interests and fulfil the objectives of the IOMP Council.

The Company objectives are the IOMP Organization objectives. The IOMP Statutes and Bylaws remain in place to govern the way the Organization will operate. As is our current practice, the IOMP ExCom will seek the advice of the Council for all important matters and will be responsible for implementing the decisions of the Council. When necessary this implementation will be realised through the IOMP Company. This will keep the existing ultimate authority of the IOMP Council whilst providing the legal representation of IOMP. The IOMP President (who will also be a Director of the Company) will present, on behalf of the Company, regular annual reports to the Council to keep it informed. The Company Articles of Association were made to allow the registration of this Company Limited by Guarantee in the UK (at the IPEM office in York, where is the IOMP head office at the moment). However, this does not in any way restrict IOMP from relocating in the future should it be necessary.

On 6 Dec 2017 the Council approved the formation of the Company and the respective amendment of the IOMP Statutes. Following this the IOMP Company was registered in the UK Companies House on 21 Dec

2017 under Registration No. 11119605. The Company began its activities on 1 January 2018. During its first five months the Company Board of Directors and its members had two meetings, associated also with the IOMP ExCom meetings. Two further meetings are planned during the period of the World Congress in Prague. The Company discussed its steps for the formation of the budget and it was agreed that for approximately one year the financial activities will be as now, after which the Company will use the Operative budget of IOMP, while all other savings and assets remain in the Organization. For reporting purposes, one consolidated report will be prepared to reflect the IOMP finances as a whole. The

Company also discussed and agreed measures for the new General Data Protection Regulations (GDPR) which comes into effect from May 2018. At the Council meeting on 5 June 2018 the members of the Company will be renewed as per the elected IOMP ExCom members. The Company members will make a Declaration to the Council that they shall act only in the interest of the IOMP Organizations' Council and in accordance with the objectives of the Organization.



Installation of the IOMP Company Registration Plaque, IPeM, York, April, 2018

Vice President's Report

Madan Rehani

Vice President of IOMP (June 2015 - June 2018)



The Vice President has charge of Nomination Committee, Rules Committee, participates in all other activities of IOMP being President Elect.

An important aspect of any international professional society is to interact with other international organizations and professional societies. In that respect the interaction with International Atomic Energy Agency (IAEA) and the World Health Organization (WHO) has been significant during the last 3 years. IOMP has been invited to participate in large number of meetings of IAEA organized by both the sections of IAEA, namely Dosimetry and Medical Physics (DMRP) and Radiation Protection of Patients (RPOP) Unit. Additionally, IOMP is being involved in Nuclear Security

activities of IAEA. Participation in many of the IAEA events was done by IOMP Officers from Europe. The list of activities is extensive and some of them include primarily participation in individual professional capacity and then also representing IOMP.

Significant outcomes in our cooperation with WHO were:

1. Radiation Safety Culture in Healthcare: Joint IOMP-IRPA-WHO workshops held in Buenos Aires (2015), Geneva (2015), Stellenbosch, South Africa (2016), Doha, Qatar (2017), Putrajaya, Malaysia (2017) and Melbourne (2018)

2. Contribution to WHO Publication on "Communicating radiation risks in paediatric imaging" published in 2016.

3. Contributions in WHO 3rd Global Forum on Medical Devices, May 2017.

4. Technical input to WHO Global Strategy for health workforce regarding role of MP's profession in health care (under publication)

5. Contribution to "WHO list of priority medical devices for cancer management" published 2017

6. Extension of IOMP as a NGO in official relation with WHO in Jan 2018 for 3 years.

An important aspect was the establishment of IOMP Company and as a part of the Rules Committee (RC), careful review of documents was done to support actions led by Slavik Tabakov and ably supported by Sally Hawking. We have prepared amendments to Bylaws for deliberation in World Congress at Prague

Nomination Committee (NC): As Chair of the NC, the VP has the responsibility to conduct elections for the ExCom members for the next term. The process started in August/Sept 2017 and results were announced on 5th March. We are planning to further improve election process to make it online, rather than by email.

I wish to thank sincerely the whole team in ExCom led by Prof Slavik Tabakov and duly supported by highly acknowledged professionals who lent their time and efforts as volunteers, Officers and teams in regional and national member organizations of IOMP, the council members who are backbone and various members in international organizations. I am grateful for the cooperation provided and I look forward to continued interactions with all of you in my next term as the President, IOMP.

Secretary General's Report

Virginia Tsapaki

Secretary General of IOMP (June 2015 - June 2018)



2015

The first months as the new SG, my focus was to establish good, routine communication with all NMOs and Regional Organizations. Updates of delegates contact details, cleaning up of files. This is a continuous job as boards change in different time periods.

• Events around the globe

Two applications were positively evaluated, one in Malaysia (AAPM-ISEP course) and one in Vietnam.

2016

Regional Coordination Board (RCB) first virtual meeting in April 2016. A number of actions were agreed in order to strengthen relationship with IOMP. A new

initiative was announced in this meeting, the "IOMP School" with various CPD-type courses or symposia. RCB members were encouraged to support this activity. The first of these schools is going to be held during the International Conference of Medical Physics.

• Events around the globe

A big number of applications for various scientific events and/or conferences around the globe have been processed (12 events in total). The request from national or regional organizations was either for endorsement or/and for financial support.

• ICMP 2016

A lot of work was also devoted on the ICMP 2016 not only for the scientific program but also on the related meetings during the event.

2017

The European Conference of Radiology, 1-5 March 2017 in Vienna. There was an IOMP booth in a prominent place within the scientific societies' section. This enabled not only the promotion of IOMP, but also the networking with other scientific societies of the world.

During ECR, the SG represented IOMP in a leadership meeting with the International Society of Radiology (ISR) which resulted in a closer collaboration.

• Events around the globe

Five applications for various **scientific events and/or conferences** around the globe were evaluated. The request from national or regional organizations was either for endorsement or/and financial support.

- Relationship UNSCEAR and IOMP

Formalization of a cooperation between the **United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR)** through the exchange of letters for the evaluation of the usage of radiation in medicine.

2018

During ECR 2018, the SG and IOMP Vice President had a leadership meeting with the International Society of Radiology (ISR) again.

- Preparations for the WC 2018. This event required a lot of effort and is now reaching its highest point.

Elections of New IOMP Excom

Immediate Past-President's Report

Kin Yin Cheung

Immediate Past-President of IOMP (June 2015 - June 2018)



Serving in the International Union of Physical and Engineering Sciences in Medicine (IUPESM) as President for the term 2015-18 has been quite challenging in many ways. For instance, chairing the IUPESM Congress Coordination Committee (CCC) is time consuming particularly in working with the local organizers in Prague in planning and organizing WC2018 and in bridging the cultural gaps between medical physicists and biomedical engineers from different parts of the world. An important aspect of my duty in IUPESM is to strengthen the amalgamation and collaboration between medical physicists and biomedical engineers and to extend our contact and interaction with scientists and professionals from other scientific and engineering fields

or disciplines. In the new era of evolution in medicine where new approaches and more effective tools are needed to be developed in order to be able to resolve complex clinical problems. Such approaches often involve scientists and engineers of different fields of expertise and the application of multidisciplinary technologies.

IUPESM is a scientific union member of ICSU. Serving as Co-Chair of the IUPESM ICSU Liaison Committee, one of our key objectives is to foster interdisciplinary interaction and networking between different union members. The aim is to stimulate the generation of new ideas and innovations in research and development of more effective clinical modalities and procedures for the benefit of human health.

Other interesting duties and activities as performed by the Immediate Past-President of IOMP are summarized as follows.

- Attended and delivered an oral presentation entitled "Quality: Why we should 'manage' it and not just 'control' it" at the IAEA General Assembly Scientific Forum held in Vienna, Austria during 19-20 September 2017.

- Attended on behalf of IOMP the 2nd International Conference on Advances in Radiation Oncology (ICARO-2) held in Vienna, Austria during 20-23 June 2017 and

delivered two oral and one poster presentations.

- Attended and delivered an oral presentation at the ICMP 2016 held in Bangkok during 9-12 December 2016 and chaired the IUPESM business meetings.

- Attended and presented a plenary lecture at the Opening entitled "Systems Medicine for the Delivery of Better Healthcare Services- IUPESM Perspective" at the XIV Mediterranean Conference on Medical and Biological Engineering Computing (MEIDCON 2016) held in Paphos, Cyprus during 31 April – 2 May 2016 and chaired the IUPESM business meetings of the Administrative Council, Congress coordinating Committee and IUPESM Journal Committee.

Attended on behalf of IOMP the AOCMP2015 held in Xi'an, China held during 5-8 November 2015 and delivered an lecture on "Professional Accreditation of Medical Physicist". Attended the Chinese Society of Medical Physics (CSMP) Celebration of IDMP2015 and delivered a talk on "Promoting the Medical Physics Profession- IOMP Perspective" at the celebration forum "Forum on Promoting the Professional Development of Medical Physics".

Treasurer's Report

Anchali Krisanachinda

Treasurer of IOMP (June 2015 - June 2018)



Subscription income in 2017 was up to \$67,391 (2016: \$62,234), this figure includes \$2,400 (2016: \$4,209) from the single Corporate Member, Varian, following Elekta's decision not to renew based on budget restraints. Overall, the response from NMO's this past year has been better, with a total of 57 having paid their dues on time compared to 51 in 2016. One new NMO, Myanmar, was approved in 2017 but as an economic-factor 'C' country, there will be little financial impact.

An increase in interest rates has resulted in the US Dollars held in interest-bearing accounts making a significant gain through 2017; the amount received has more

than doubled to \$2,250 compared to \$1,111 in 2016. The total amount currently sitting in such accounts for IOMP is \$174,057.

Total income for 2017 was similar to the previous year at \$79,049 (2016: \$78,068) although this figure is slightly skewed by moving the surplus IUPAP funds from creditor into the consolidated accounts; however, this continues to be treated as a 'ring-fenced' pot of money which is tracked separately. Otherwise, a lower income in 2017 is to be expected as there was no major conference held.

Total expenditure has increased to \$79,638 (2016: \$74,265) largely due to the continuing increase in travel expenses, as IOMP Officers bolster global activity, and the legal fees associated with the move to incorporation. The final invoice from the Solicitor has yet to be received but an amount of \$6,752, based on the estimate, has been provided for in these accounts.

Website maintenance fees of \$1,000 were again waived at the instruction of Dr Magdalena

Stoeva to offset costs against both MPW and the Women Sub-Committee.

The net result on income against expenditure for 2017 is a small loss of -\$589 (2016: \$3,802). However, the accounts are showing a considerable surplus of \$12,150 due to the strengthening of both Euro and Sterling against the US Dollar which has brought a significant gain of \$12,739 (2016: -\$5,174) - good news following three years of a loss on currency exchange rates.

The Balance Sheet shows that the organisation's reserves continue to be robust and are held in cash deposits, principally in US Dollars (\$322,418), but also smaller holdings in Euros (\$86,951) and Sterling (\$28,642), all of which are currently deposited with Lloyds TSB PLC in the United Kingdom.

For more information and full version of the Treasurer's report, check IOMP website www.iomp.org

Report of Science Committee

Geoffrey S. Ibbott

Chair Science Committee (June 2015 - June 2018)



The IOMP Science Committee is responsible for disseminating current information to medical physicists; assisting in the planning and conduct of regional meetings on medical physics; contributing to and reviewing scientific documents prepared by organizations such as the ICRP, the WHO, and the IAEA; and participating in various forums for the generation of scientific information in medical physics. The Committee membership is shown below:

Geoffrey Ibbott, Chair, USA
Facundo Ballester, Spain/EFOMP
Sha Chang, USA
Lawrence Dauer, USA

XiaoWu Deng, China
Benedick Fraass, USA
George Kagadis, Greece/EFOMP
Reinhard Loose, Germany/EFOMP
Malcolm McEwen, Canada
Hossein Mozdarani, Iran/MEFOMP
Wilbroad E. Muhogora,
Tanzania/FAMPO
Hugo Palmans, United Kingdom
Mark Rivard, USA
Maria Elisa Rostelato, Brazil/ALFIM
Ferid Shannoun, Austria
Vellaiyan Subramani, India
Yoshiharu Yonekura, Japan

In recent months, the Science Committee has continued to comment on the planning and the proposed program for the WC 2018 in Prague. Dr. Ibbott is a co-chair of the Scientific Committee of the WC and has worked to the extent possible with the chairs and other co-chairs to develop the program. The SC has contributed numerous suggestions for session chairs, plenary speakers and abstract reviewers. The Committee also reviewed and made recommendations on several applications for support of educational programs around the world, as well as proposals for the 2019-2020 ICMP. All proposals were thorough and

offered the potential of an excellent meeting. The committee forwarded a recommendation to the Secretary General.

Several members of the Science Committee contribute to the Expert Group on Medical Exposures; a project of the United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR). A draft of the report has been submitted and is under review at UNSCEAR. And Drs. Stoeva and Ibbott published an article in the Winter issue of the *ASTRONews* highlighting both the IDMP and Madame Curie's legacy.

Several members of the Committee reviewed a draft publication by the IAEA entitled "Guidance for Medical Physicists in Support of Nuclear or Radiological Emergencies." Suggestions have been forwarded to the IAEA for consideration.

It is an honor to serve as chair of the Science Committee.

Report of Professional Relations Committee

Yakov Pipman

Chair Professional Relations Committee (June 2015 - June 2018)



It was a pleasure and an honor to serve as Chair of the PRC during the 2015-2018 term.

During this period the PRC contributed to the goals of the IOMP through:

1) Evaluated the applications of several member organizations, resulting in the addition of five NMO's – the Kuwait Society of Medical Physics, The Association of Medical Physicists of the Republic of Moldova, the Myanmar Medical Physicists Association, the Romanian College of Medical Physicists and the Sociedad Paraguaya de Fisica Medica, and the first Affiliated member organization - the Bangladesh Medical Physics Society.

2) Supported professional and educational activities in various regions. Among them:

- 7th Latin American Congress on Medical Physics/13th Argentine Congress on Medical Physics (Argentina -2016)

- 3rd International Conference on Medical Physics in Radiation Oncology and Imaging – (Bangladesh -2018),

- XIV Medical Physics Symposium (Mexico -2016)

- XII-th National Medical Physics and Biomedical Engineering Conference- (Bulgaria-2017)

- III School on Medical Physics/XII LASNPA (Cuba -2017)

- AOCMP/AMPICON(Jaipur-2017)

- Multi-institutional MP Lecture tour (China-2018)

3) AAPM/IOMP ISEP courses:

ISEP-T, Chennai, 2016; ISEP-D, Morocco, 2016; ISEP-D, Peru, 2017; ISEP-T, South Africa, 2017; ISEP-T, Slovenia, 2018; ISEP-D, Indonesia, 2018;

4) Evaluated applications for Travel Grants from numerous colleagues from LMICs, resulting in 16 Travel awards for the ICMP in 2016 and 9 travel awards and 36 reduced registration awards for the IUPESM world congress in Prague in 2018.

5) Organized two workshops on Capacity Building in LMICs - in Bangkok (2016) and in Prague (2018).

6) Supported activities for the development of medical physics in Central America and the Caribbean Region, in collaboration with our regional organization (ALFIM), with the International Center for Theoretical Physics (ICTP), with the Mesoamerican Center for Theoretical Physics (MCTP). and with the AAPM. In that context,

we are participating in an IAEA regional project “Strengthening Human Capacities of Caribbean Countries in Radiation Medicine”

7) We are currently working to support the ICMP2019 in Chile.

8) As part of the Equipment Donation Program (EDP) we helped define the scope and function of the program by focusing on Medical Physics and QA equipment, improved the procedures for donations and the visibility of the program. Obtained collaboration from the ADCL at MD Anderson for free calibration of dosimeters, several vendors to recondition equipment, extending the donations with training of the recipients on its use in collaboration with AAPM volunteers and with the Medical Physics for World Benefit organization (MPWB).

As part of EXCOM I also had the privilege to participate in the work to establish the IOMP Company, led by Professor Slavik Tabakov and skillfully supported by our Executive Secretary, Sally Hawking.

My greatest thanks go to the PRC team which makes possible the worldwide development of our profession:

Arun Chougule (India); Dario Sanz (Argentina); Ibrahim Duhaini (Lebanon); Howell Round (New Zealand); Dimitris Mihailides (USA); George Kagadis (Greece); William Rae (South Africa and Australia); Charles

Shang (USA); Agnette Peralta (Philippines) and George Felix Acquah (Ghana) and to the Equipment Donation Program SC Chair - Derek Brown (USA) - and its members as well as to the International Libraries Sub Committee members.

I am grateful to the IOMP's leadership of the EXCOM members and the orchestration and collegial efforts by Professor Slavik Tabakov, the efforts of all our volunteers in the regional and national member

organizations, as well as the council members. I look forward to continued interactions with the new team under the leadership of our incoming President, Professor Madan Rehani.

Report of Education and Training Committee

John Damilakis

Chair Education and Training Committee (June 2015 - June 2018)



Establishment of the IOMP Accreditation Board

The ETC has established the IOMP Accreditation Board to evaluate and accredit Medical Physics education and training events. An accreditation manual has been drafted to define the purpose and structures of the Board, describe main operations and the accreditation processes. A website has been created <http://www.iomp.org/?q=content/accreditation-home> to provide information about accreditation and upload the accreditation manual, application forms and related documents. The IOMP Accreditation Board will accredit medical physics degree programs and education and training

events including residencies, conferences, seminars, workshops, CPD courses and other education and training events. Initially its work will be limited to accreditation of postgraduate degree courses and Continuous Professional Development programs. The 'Master of Advanced Studies in Medical Physics', International Centre for Theoretical Physics (ICTP) has already received full accreditation. To ensure the quality of procedures, the Board will perform accreditation processes for a selected number of events within the next months.

Education provision – 'IOMP School'

During the last years, the ETC offered several courses in connection with conferences and represented IOMP in many scientific meetings. A new activity 'IOMP School' was launched at the International Conference of Medical Physics in Bangkok (2016) and the 2nd edition was organized at AOCMP-AMPICON in Jaipur (2017). The 3rd edition of the 'IOMP School' with more than 20 sessions is organized at the World Congress on Medical

Physics and Biomedical Engineering in Prague (2018).

Sponsorship/endorsement of educational events

ETC has sponsored and/or endorsed several scientific events worldwide. Specifically, the ETC has sponsored the 14th Mexican Symposium on Medical Physics (Mexico City, March 18-21 2016) organized by the Medical Physics Division of the Mexican Physics Society and the Physics Institute of the National Autonomous University of Mexico, the 3rd International Conference on Medical Physics in Radiation Oncology & Imaging organized by the Bangladesh Medical Physics Society, the 17th Asia Oceania Conference of Medical Physics in conjunction with the 38th Annual Conference of Association of Medical Physicists of India (organizers: AFOMP and AMPI) and the XIth National Medical Physics and Biomedical Engineering Conference organized by the Bulgarian Society of Biomedical Physics and Engineering, the AAPM/ISEP international course of medical physics in Peru, the AAPM/ISEP workshop in South Africa etc.

International Day of Medical Physics

At the end of 2012, the ETC undertook the responsibility to develop a strategy to promote the International Day of Medical Physics (IDMP) and support IDMP activities of national member organizations. The inaugural event (IDMP 2013) was successful and the amount of attention gained was remarkable. ETC campaigns were very successful and IDMP has

become an established event. Information about IDMP 2015, IDMP 2016 and IDMP 2017 activities can be found at <http://www.iomp.org/idmp/>. ETC is currently preparing IDMP 2018 activities.

Cooperation with international organizations

ETC cooperated during the last 3 years with international organizations to strengthen the educational development of medical physics worldwide

(participation in an IAEA meeting on how Continuous Professional Development can be implemented in Africa, meetings organized jointly with IAEA and WHO etc).

Acknowledgment

I would like to publicly thank every member of the Education and Training Committee for his/her commitment and support.



Graduation of the first IOMP accredited MSc students in ICTP Trieste

Report of Publications Committee

Tae Suk Suh

Chair Publications Committee (June 2015 - June 2018)



1. Organization of IOMP PC (2015-2018)

The members of the Publication Committee (PC) for 2015-2018 were selected and approved by IOMP ExCom. Most of them were editors of national or regional journal of medical physics.

2. Collaboration with CRC Press

1) Publication of IOMP series of books ;
IOMP PC, in all likelihood, proposed new books and collaborated with CRC Press. The report from CRC shows the current status of the *Series in Medical Physics and Biomedical Engineering*.

2) Recommendations of book authors and editors
In order to recommend potential authors and editors to work on

new books as part of IOMP series of books, publication committee contacted competent medical physicists and directed to Francesca McGowan, Physics Editor in CRC Press.

3) Promotion of CRC books:
In accordance to the agreement between CRC Press and IOMP (agreement-clause 14) in 2006, CRC adverts were promoted in the issues of eMPW (e-newsletter of Medical Physics World), MPI (Medical Physics, international; official journal of IOMP), and AFOMP newsletter/website. Also, CRC adverts were promoted in regional conferences such as EFOMP, AFOMP, etc.

4) Special discounted deal on CRC e-Books for IOMP members
The offer from CRC Press was that if an individual physicist affiliated to the IOMP (i.e. a member of an IOMP national/regional organization) were to pay \$100 - \$200, they would receive a year's access to CRC's entire medical physics book collection in e-book format.

5) CRC Press Focus Issue
CRC Press informed IOMP of a new publishing initiative called CRC Press Focus, which CRC Press is rolling out across a wide

range of subject areas. The format and timeline of the CRC Press Focus are distinctive; each book is longer than a journal article but shorter than a traditional monograph (25,000 to 50,000 words in length). The Focus books will form part of the "*Series in Medical Physics and Biomedical Engineering*" supported by IOMP.

3. On-line access to medical physics related journals

In order to provide medical physicists easy access to medical physics related journals, IOMP PC tried to ask medical physics journal editors and presses for their cooperation. The goal is to allow free access or make them available at a low cost. This would have to be done on the levels of regional and national cooperative framework. IOMP PC requested a regional and intercontinental journal cooperation to be established sometime in the future so that informative knowledge can be exchanged.

4. Collaboration with Regional Organization Of Medical Physics

One of the main objectives of IOMP PC is to strengthen the

relationship among regional, and national journal of medical physics through mutual cooperation and information exchange. IOMP PC has collaborated with many ROs such as ALFIM, AFOMP and EFOMP.

Paolo Russo, vice chair of IOMP PC and editor-in-chief of *Physica Medica*, organized the Focus Issue of AOCMP 2015 and ICMP 2016 in *Physica Medica*. AOCMP 2015 and ICMP 2016 Focus Issue included papers presented at AOCMP 2015 in Xi'an, China, and ICMP 2016 in Bangkok, Thailand, and recommended by guest editors of AOCMP 2015 and ICMP 2016.

5. 'Physica Medica (EJMP)' as an official journal of IOMP

Physica Medica, European Journal of Medical Physics (EJMP, Editor Paolo Russo), will be considered an official journal of IOMP after final endorsement from each related organization. IOMP PC prepared an MOU between IOMP and EJMP, referring to the past two agreements with *Medical Physics* and *JACMP* and including the request from EJMP.

6. Future plan

The future plan of PC is to establish the short and long term plans based on the past three years of experience. PC will

continue to discuss the new book idea, and search for potential editors. A number of action plans were prepared to increase the output of publication on medical physics, as well as make the publication more accessible to practitioners in medical physics worldwide. IOMP PC shall consider a serial publication with major periodic updates in sub-fields in the form of a book or a journal, which could be accepted globally, such as IOMP's official journal (MPI). IOMP PC is also interested in creating an IOMP e-documents repository as a global and standard platform for e-publication in the future.

Report of Honours & Awards Committee

Simone Kodlulovich Renha

Chair Honours & Awards Committee (June 2015 - June 2018)



In June of 2015, new members were invited to join the Awards & Honours (A&H) Committee. The new members are from different part of the world and represent different specialties in Medical Physics. The new composition of the Committee improved the understanding and perception of the realities faced by medical physicists in their countries and the specific challenges that they have to face to get excellence in their field.

In alignment with the IOMP mission statement, the H&A Committee has focussed its efforts on recognizing and acknowledging the medical physicists that have dedicate their lives to improve healthcare services for the benefit of patients.

In 2016, we had a very productive year. During the 22nd International Congress of Medical Physics (ICMP) 2016 in Bangkok, Thailand, we had the chance to give two new Awards for the first time: the John Mallard Award, named, as a tribute to John Rowland Mallard, professor of medical physics at the University of Aberdeen, and given to a medical physicist who has provided an outstanding contribution to the advancement of Medical Physics; and the International Day of Medical Physics (IDMP) award. This second new award was created to give recognition of a medical physicist from each region who has made a significant contribution to promoting Medical Physics, including the development of scientific work, improvements in patient care and/or contributions to education and training in medical physics as part of the celebration of IDMP. In 2016, IDMP Awards for both 2015 and 2016 were given to a total of eight medical physics, representing each regional organization.

Also at ICMP 2016, after much difficult deliberation by A&H members, a winner was chosen among many excellent

candidates for the IUPAP Young Scientist Award. The award went to Dr. Francis Hasford from Ghana for his work titled "Ultrasound and PET-CT Image Fusion for Prostate Brachytherapy Image Guidance". Finally, in recognition their excellent work, the Committee elected four new Fellows of IOMP (FIOMP): John Damilakis, Prof. Tomas Kron, Prof. Tae Suk Suh and Dr Virginia Tsapaki.

In November 2017, the A&H committee had the opportunity to celebrate the 150th anniversary of Madame Marie Sklodowska-Curie's birth in the 17th Asia Oceania Congress of Medical Physics and 38th Annual Conference of the Association of Medical Physicists of India. During this Congress, the Committee announced the winners of the IDMP Award 2017, they were: Diana Feld, William Howell Round, Virginia Tsapaki, Taofeeq A. Ige and Huda M. Al-Naemi. At the same event, the certificate and pin of IOMP were given to five new Fellows of IOMP (FIOMP): Simone Kodlulovich Renha, Muthana Al-Ghaz, Agnes Peralta, Ahmed Ibn Seddik and Ibrahim Duhani.

For the World Congress of Medical Physics and Biomedical Engineering to be held in June 2018 in Prague, the Committee has already announced the winners of the following important awards:

M. Curie Award: Kwan Hoong Ng,
Harold John Medal: Anchali
Krisanachinda, IUPESM: Eliseo
Vano

IUPAP Young Scientist Award:
Abdul Nashirudeen Mumuni,
Honorary member: Mrs Sally
Hawking and Fellows of IOMP:

Prof. Geoff Ibbott, Dr Yakov
Pipman, Prof. Magdalena Stoeva
and Dr Melissa Martin.

The A&H Committee feels very
honoured to participate in these
celebrations where the
dedication of medical physicists
is recognized by their work in
science and scientific practice, in
teaching and international
education, in the advancement
of medical physics knowledge
and the advancement of the
medical physics profession.

My special thanks for all
members the A&H Committee
for their efforts and full support,
for all members of ExCom, and
especially to Dr Slavik Tabakov
who is conducting the presidency
of IOMP with excellence,
dedication and always looking to
the future. He has provided
important innovations for IOMP,
and despite all the hard work, he
has always been available to help
us and to give all the support we
needed. Thank you so much!

IOMP ExCom Congratulates Awardees



KWAN HOONG NG

AWARDED THE MARIE
SKLODOWSKA-CURIE
AWARD OF IOMP, 2018



ELISEO VAÑO

AWARDED THE IUPESM
AWARD OF MERIT, 2018



ANCHALI KRISANACHINDA

AWARDED THE HAROLD JOHNS
MEDAL, 2018

Report of Medical Physics World Board

Magdalena Stoeva

Chair Medical Physics World Board (June 2015 - June 2018)



It has been an honour and pleasure for me to serve the international medical physics community as a Chair of the Medical Physics World Board, Editor-in-chief of Medical Physics World and Chair of the web Subcommittee during the 2015-2018 term.

This 3 year period was marked by an increased activity in many directions, primarily directed towards dissemination of professional and scientific information and support for the IOMP committees, regional organizations and various events.

1. Medical Physics World: During these past years a lot has been achieved for MPW – increased visibility, contemporary layout, dedicated sections have been introduced to present IOMP

Regional Organizations, Women, Partnering organizations. MPW also produced one pilot issue with a guest and another pilot special issue dedicated to Marie Curie's 150th Anniversary, IDMP and Women in Medical Physics, which was written in close collaboration with some of the world's leading organizations like WHO, IAEA, ICTP, National Geographic. MPW has been distributed in many of the leading events for our profession – IUPESM World Congress, ICMP, AAPM, ECMP, AFOMP, SEAFOMP, RSNA, ECR, IDMP.

2. Websites and on-line presence: My activities as a chair of the Medical Physics World Board also include the support for the IOMP, IDMP and IOMP Women websites. All these have been maintained professionally and in timely fashion, to meet the informational demands of our professional society. IOMP Web committee introduced the position of Social Media responsible and held a successful social media campaign.

An new project on revamping the websites has been started targeting improved on-line presence and better reach-out to our professional community.

3. Production and dissemination of advertising materials: Over 20 posters and flyers – paper, electronic or both, representing IOMP on various occasions

4. Participation in conferences and other events: I had the privilege to represent IOMP and Medical Physics World Board during – IUPESM World Congress, ICMP, ECR, Regional Conferences, IDMP, WHO 3rd Global Forum on Medical Devices, ICSU 2017 General Assembly, ICRPM 2017. All these resulted in improved outreach, partner networking, publications and participation in expert boards.

5. Work with industry: A successful marketing campaign with the industry resulted in bringing more ads into MPW and increased support for our profession.

I am looking forward to another successful term as a chair of the IOMP Medical Physics World Board with my focus on the following major areas:

- Professional – collaboration
- Education, training, science – support
- Media – increased visibility
- Interdisciplinary - contribution

Report of IOMP Journal Medical Physics International

Slavik Tabakov and Perry Sprawls, Co-Editors of MPI Journal

The IOMP Journal, Medical Physics International (MPI), was established in 2013 with the objective to address various education/training, professional and related issues. A specific focus is providing publications that can be used to enhance medical physics educational activities to meet the needs associated with the many innovations and advances in medicine. The Journal is a free on-line publication with two issues per year (www.mpijournal.org). From its first issue the MPI Journal proved to be very popular, especially among colleagues from LMI countries.

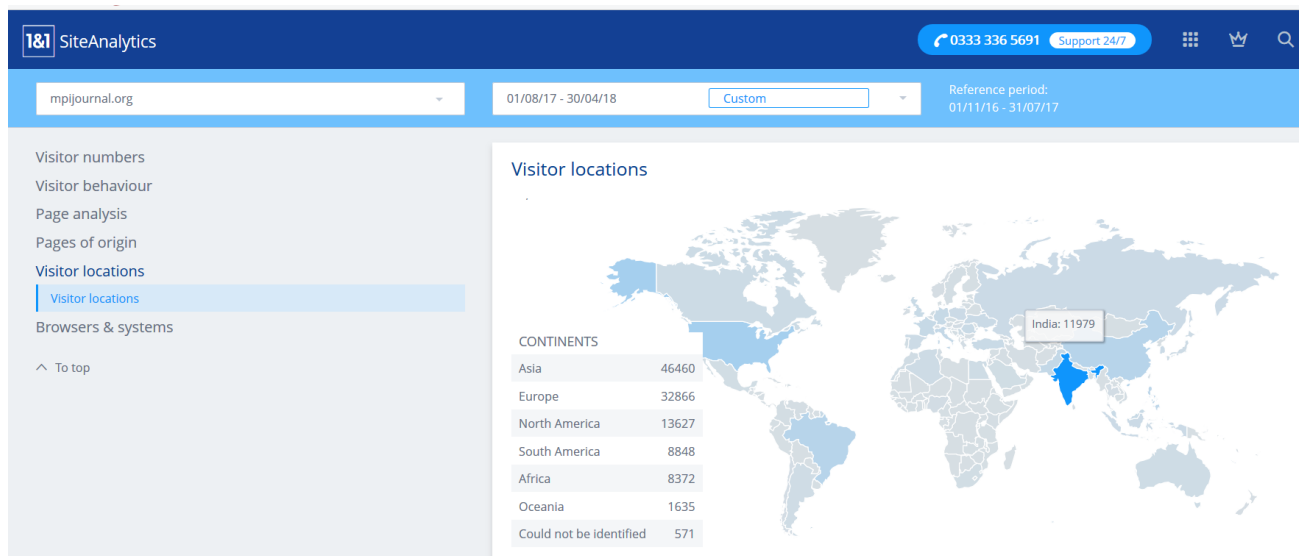
During the period June 2015 - June 2018 the Journal published 7 full issues and one Special issue. Approximately 600 pages of papers and 400 pages of abstracts (from ICMP 2016) have been published. In April 2018 MPI published its first Special Issue (110 pages) dedicated to the IOMP Project History of Medical Physics.

During the period 2013 – 2015 the visitors to the MPI

Journal web site varied between 5000 and 7000 per month. During the period 2015-2018 the MPI visitors surpassed 10,000 per month, thus making it one of the most often read medical physics journals. From Dec 2016 to July 2017 (including) there had been over 105,000 visits to the web site (about 40% from Europe and North America, and 60% from the rest of the world). From Aug 2017 to April 2018 (including) there had been over 110,000 visits of the web site (almost the same % global distribution) – see web server statistics.

During the ExCom meeting in Jaipur (Nov 2017) the Founding Co-Editors of MPI (S Tabakov and P Sprawls) were approved to continue for a second Editorial term and the Editorial Board was updated. IOMP ExCom and RCB expressed their high appreciation to the Co-Editors and the Editorial Board of MPI.

Photo global distribution of visits Aug 2017 – Apr 2018 (including)



Report from the IOMP Rules Committee

Rules Committee Membership 2015-2018

1. Prof. Madan Rehani, Vice-President, (Chair)
2. Dr. Slavik Tabakov, President (Co-Chair)
3. Dr. Virginia Tsapaki, Secretary -General (Member)
4. Dr. Kin Y Cheung, Past President (Member)

The main points identified for action are:

1. Need to have electronic system for voting based on authentication. The current system for voting of ExCom members being used by IOMP is to send ballot paper to Council members and asking them to send the ballot paper by email to Tellers. The email from where the ballot paper is coming becomes validation and if it matches with the email of Council member it is counted as the valid ballot.

It is suggested that the voting system be made online where authentication of person is verified by 2 step verification (e.g. email and text message on mobile phone, somewhat similar to the system used by banks). Once authenticated, the person can cast vote online. This will allow automatic counting and thus avoiding errors in manual counting. There are commercial systems currently available.

The Council may agree in principle for exploring this methodology by new Rules Committee of 2018-2021 and allowing ExCom to make decision based on report of Rules Committee. The Council will be informed about the decision of ExCom.

2. Need to enhance financial resources of IOMP. The financial position of IOMP currently is based on contribution of NMOs and savings from WCs and ICMPs.

It is proposed to explore various means to enhance financial health of IOMP. In recent years it has become more difficult to arrange funds from companies. Instead of assigning responsibility to a single ExCom member, it is proposed to create a system where every member can utilize his/her contacts. It is proposed to consider incentives for ExCom members who mobilizes financial support from vendors. The Council may authorize ExCom to create a sub-group to prepare norms and ExCom may approve the norms that create win-win situation for both the vendors and the IOMP ExCom members, who may be able to utilize a small part of the funds generated for participating in professional events where the member is representing IOMP. This will reduce financial liability of ExCom members participating in various events and it will become possible to accept invitation to participate in various meetings, which otherwise currently becomes difficult in view of financial crunch.

3. It is noted that several countries indicate lesser number of members when paying subscription to IOMP. This becomes detrimental to interests of IOMP. It is proposed that Council supports actions by IOMP to have realistic payment of dues. This will avoid increase in membership rate.

Women Subcommittee report

Virginia Tsapaki

Chair Women Subcommittee (June 2015 - June 2018)

The IOMP Women Subcommittee (IOMP-W) is recently established in order to deal with all matters relating to the role of women in medical physics scientific, educational and practical aspects. The committee was small when created, but slowly developed to a large and hard working team (members of the team are found here: <http://iomp.org/?q=content/women-subcommitteemembership>).

During this term, the Women logo was produced, together with digital posters and leaflets. A webpage devoted to the Women group was also created: <http://www.iomp.org/IOMP-W/>. All the posters together with power point presentations are found in the webpage.

In order to address the challenges faced by women in the field of Medical Physics, the IOMP-Women Subcommittee organized 2 women symposia at the latest International Conference of Medical Physics held in Bangkok 9-12 December 2016: a) Women in medical physics: education and profession and b) Participation of women in medical physics scientific events.

A special electronic Medical Physics World Newsletter issue was devoted on Women Medical Physicists that inspire women around the world. This was released on 8th March 2017 (International Women's Day). It was also distributed at various international conferences during 2017.

A big IDMP event devoted to women was organized during the 17th Asia-Oceania Congress of Medical Physics "AOCMP - 2017" which was held in Jaipur India in conjunction with the 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017. Many members of the IOMP-W Subcommittee were present in the event.

A new IOMP survey was done one year ago. The preliminary results were presented in Jaipur and the final ones will be presented during the WC 2018 in Prague.

The newest initiative of the IOMP-W Subcommittee will be during the 18th Asia-Oceania Congress of Medical Physics and 16th South-East Asia Congress of Medical Physics (AOCMP-SEACOMP 2018)", which will be held in Kuala Lumpur, 11 – 14 November 2018.



History of Medical Physics Project

Prof. Slavik Tabakov,
Project initiator and current coordinator

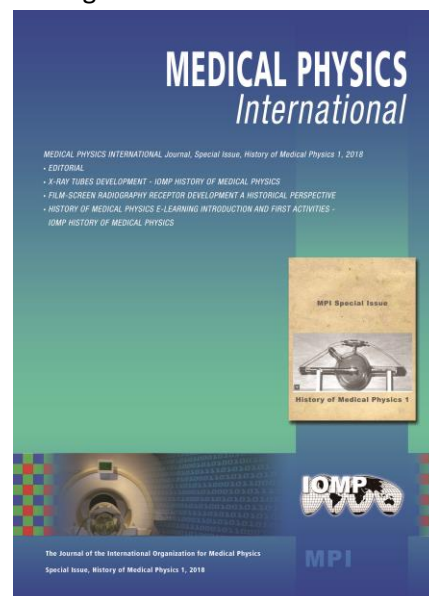
During this term of office the President, the IOMP History Sub-Committee and the IOMP Publication Committee discussed the need of a project related to the history of the profession. The project History of Medical Physics was launched with a paper in the MPI Journal 2017, No1, p. 68-69 with the support of the ExCom and RCB. The objective of the Project is to document the significant achievements of medical physics and their impact on healthcare and the professional development. Knowledge of these developments and applications provides a foundation for the continuing contributions of physics and engineering to advances in medicine and healthcare along with an appreciation of our medical physics history and heritage.

Over 2017 the project was announced at various professional events – the AAPM Annual Conference in Denver, the IPEM Annual Conference in London (Esher); the Asia-Oceania Congress of Medical Physics in Jaipur; the IOMP RCB - Regional Coordination Board (including the Presidents of all professional Federations), etc. With the assistance of the RCB Questionnaires were sent to all IOMP Member Societies, almost all of which are now completed. This included an invitation for various organizations and individuals to consider developing materials for the project. A large material about the professional development in Middle-East was published in MPI 2017 No.2, p.133-153 guided by Prof. Niroomand-Rad and MEFOMP.

The plan is for the project to be prepared over several years as a Compendium of 12 independent volumes (as per the sub-branches of the profession). These will be published as Special Issues of the MPI Journal. The

first Special Issue of MPI was prepared for publication during 2017-2018 and published in April 2018. It includes three chapters from two of the volumes. The chapters are on the History of X-ray Tubes development (R Behling), the History of Film-Screen Receptors development (P Sprawls) and the History of e-Learning development (S Tabakov).

These chapters were prepared to be used as Guides for the development of future chapters in this large project. The History project will use the experience from another large project (e-Encyclopaedia of Medical Physics), where parallel work of various specialists from many countries has taken place. It is planned that the initial development of the project will take several years. The project content starts at the time around the discovery of X-rays, and will be regularly upgraded in future. A special session on the subject will be guided by S Tabakov, KY Cheung and C Orton on 4 June (8-9am) at the World Congress 2018 in Prague.



IOMP - IComMP / IUPAP – AC4 Medical Physics

The International Union of Pure and Applied Physics represents all branches of physics sciences. IUPAP is organized in 20 Commissions and 4 Affiliate Commissions. IOMP established the International Commission of Medical Physics which is recognized as the IUPAP Affiliate Commission AC4. Benefit of IUPAP membership is the scientific dialogue of Medical Physics with the wide range of all physics disciplines, the global promotion of physics and the active contribution to the dissemination of science standards and ethics worldwide. IOMP is particularly benefitting from 2 IUPAP programs, the Congress Sponsoring Program and the Young Scientists Award

Program. The IUPAP funding has been used to organize a series of Workshops on Medical Physics in the Developing Countries at the IOMP World Conferences on Medical Physics in Toronto 2015, Bangkok 2016, Prague 2018. These events attracted up to 100 attendees each including the participation of IAEA and WHO. The Young Scientists Award Program includes a medal, a certificate and a honorarium. The winners of the IUPAP award have been G.Massillon , Mexico (2015), F.Hassford, Ghana (2016), A.Nashirudeen Mumuni , Ghana (2017).



Francis Hasford (Ghana, S-G of FAMPO) receiving his IUPAP Young Scientist Award

EFOMP Report

Jaroslav Ptáček
EFOMP Secretary General

Composition

The European Federation of Organisations for Medical Physics (EFOMP) was founded in May 1980 in London to serve as an umbrella to all National Member Organisations (NMOs) in Europe. The current membership covers 34 national organisations which together represent more than 8100 physicists and engineers working in the field of Medical Physics.

Publications

- EFOMP's policy statements are produced to offer guidelines on the appropriate general responsibilities, organisational relationships and roles of workers in the field of Medical Physics. They are produced by experts mainly from medical physics societies in Europe. Policy statements must be approved by the majority of NMOs before they can be accepted as official EFOMP documents. All policy statements are released through the official journal of EFOMP – Physica Medica. In addition EFOMP produces European Medical Physics News, which carries articles of interest to the European Medical Physics Community. It was decided recently, that EMP News will be released quarterly.
 - o Policy Statement Nr. 16 on The role and competences of medical physicists and medical physics experts under 2013/59/EURATOM is the last one released ([link](#))
- The official journal of EFOMP is Physica Medica: The European Journal of Medical Physics (Impact Factor 1.990)
- In 2017 EFOMP in collaboration with ESTRO and IAEA produced a Quality control in cone-beam computed tomography (CBCT) protocol to present procedures for quality control of CBCT systems used for dental, radiotherapy,

interventional radiology and guided surgery applications. This document is freely available and can be downloaded from the EFOMP website ([link](#)). A summary of this protocol was also published in the European Journal of Medical Physics ([link](#)).

- A joint publication AAPM-EFOMP - Estimating Patient Organ Dose with Computed Tomography A Review of Present Methodology and Required DICOM Information TG 246 Report (approval phase).

Projects

EFOMP as a company is involved in the number of projects:

- ENETRAP III,
- MEDIRAD,
- ENEN +,
- EUCLID.

Relationship with other Organisations

During its existence EFOMP established relationships with large number of European and non-European organisations (for example AAPM, MEFOMP). The collaboration is confirmed by signing the Memorandum of Understanding (MoU). The list of collaborating organisations can be found on EFOMP webpage ([link](#)). In 2018 the new MoU was signed with EANM - ESMIT (European Association of Nuclear Medicine - European School of Multimodality Imaging & Therapy) and MoUs with ESR and ESTRO were renewed. In 2017 a very successful cooperation was established with COCIR.

EFOMP is involved in the Joint Task Group EFOMP-AAPM Task Group No. 282 Development of a new universal breast dosimetry method.

EFOMP actively participates in IAEA conferences:

- Technical Meeting on Preventing Unintended and Accidental Exposures in Nuclear Medicine, Vienna, (16th – 18th May 2018) - EFOMP represented by Klaus Bacher
- Joint ICTP/IAEA Advanced school on Hybrid Imaging (17th -21st September, 2018) - EFOMP represented by Roberta Matheoud
- International Symposium on Standards, Applications and Quality Assurance in Medical Radiation Dosimetry (IDOS 2019), Vienna, (18th – 21st June, 2019) - EFOMP represented by John Damilakis
- Publication on 'Medical Physics Recognition', Vienna, (3rd – 6th September, 2018) - EFOMP represented by Adriaan Lammertsma

Conferences

The 1st European Congress of Medical Physics (ECMP) took place in Athens (Greece) in 2016 (1st-4th September). There were 653 participants attending the congress. The 2nd ECMP will start on 23rd August in Copenhagen (Denmark). This 3 days event is hosted by Danish and Swedish EFOMP National Member Associations. It was decided that ECMP will be a biennial event, so the next congress will be organized in 2020 and will be hosted by Italian National Member Association in Torino.

EFOMP is also present during other meeting as ECR, ESTRO and EANM conferences, where it provides workshops and seminars.

Education and Training

EFOMP becomes more and more involved in education in medical physics in Europe. Since 2013 it organizes European School for Medical Physics Experts (ESMPE). Through the years ESMPE become very popular among medical physicists population in Europe and maintains very high quality of theoretical lectures and practical lessons by involving top-level lecturers. So far there were 9 editions of ESMPE

covering topics from Nuclear Medicine (4 editions), Diagnostic Radiology (4 editions) and Radiation Oncology. All editions were visited by total number of 404 participants. There will be 3 one-day ESMPEs organized during ECMP2018 in Copenhagen covering Statistics in Medical Physics, IMRT&VMAT planning in practice and Fundamentals of Nuclear Medicine Dosimetry. For 2019 it's planned to have 3 ESMPEs of standard duration of 2.5 days covering Nuclear Medicine and Diagnostic Radiology (in Prague, Czech Republic) and Radiation Oncology (in Warsaw, Poland).

In 2016 EFOMP established the EFOMP's Examination Board (EEB) to facilitate the harmonization of Medical Physics education and training standards throughout Europe. EEB introduces the European Diploma of Medical Physics (EDMP) and the European Attestation Certificate to those Medical Physicists that have reached the Medical Physics Expert level (EACMPE). EEB examinations are tests of excellence in Medical Physics. They are designed to assess the knowledge, skills and competences requisite for the delivery of high standard Medical Physics services. The first EEB exams were conducted during Summer ESMPE 2017 in Prague in Diagnostic Radiology. Next EEB examinations will take place during before ECMP2018 in Copenhagen (21st and 22nd August).

Also in 2016 an independent organisation for accreditation of medical physics education and training events - European Board for Accreditation in Medical Physics (EBAMP) – was established. It was set up by medical physics societies across Europe represented by the European Federation of Organisations for Medical Physics (EFOMP). It allocates Continuous Professional Development (CPD) credits depending on the number of hours of education and hands-on training required of participants.

AFOMP Report

Howell Round Secretary General AFOMP

Membership

There have been no changes to the membership since our last report to the RCB. Iran was an active member of AFOMP but contact has been lost over the last few years. After recent contact we expect them to renew their membership.

17th AOCMP in Jaipur, India

AFOMP held its 17th annual conference, the Asia-Oceania Congress on Medical Physics, in Jaipur, India in conjunction with the Association of Medical Physicists of India's annual conference, AMPICON, at the SMS Hospital, Jaipur, India in November 2017.

The conference organization was ably led by Professor Arun Chougule. 350 abstracts were received, there were 91 invited talks and 915 delegates were registered. It was a resounding success and Professor Chougule and his team are to be congratulated for such a well-organized and stimulating conference.

18th AOCMP in Kuala Lumpur, Malaysia

This year's AOCMP will be held in Kuala Lumpur, 11 – 14 November 2018. It has the theme "A Sustainable Future for Medical Physics". Its website is aocmp2018.com and we invite all medical physicists from outside the AFOMP region to join with us. The conference will be held in conjunction with SEAFOMP's annual conference, SEACOMP. The conference's organizing chairpersons, Chai-Hong Yeong from AFOMP and Noriah Jamal from SEAFOMP.

AFOMP/MEFOMP Memorandum of Understanding

A memorandum of understanding to promote greater interaction and cooperation between AFOMP and MEFOMP was recently signed.

Increasing scientific interactions and strategic relationships between the AFOMP and MEFOMP is in the interest of both groups, as well as the worldwide medical physics community. The memorandum of understanding seeks to establish these relationships, and to identify issues where collaboration between the AFOMP and MEFOMP would be most synergistic.

The purpose and scope of the MoU is

1. To strengthen collaboration in areas of common interest
2. To expand partnership between the two Federations

MEFOMP and AFOMP will collaborate on

- Education and training
- Scientific matters
- Professional matters
- Communication and media
- Research projects
- International Day of Radiology and International Day of Medical Physics
- Conferences

Joint AFOMP/MEFOMP Conference in Kuwait

To recognise the new relationship between AFOMP and MEFOMP, AFOMP will hold its annual conference, the Asia-Oceania Congress on Medical Physics, in 2019 in Kuwait in conjunction with MEFOMP. This is the first time the Congress will be held outside its traditional areas of South and East Asia. It is expected that there will be several physicists from the Middle East attending this year's Congress in Kuala Lumpur.

Possible MoU with SEAFOMP

There has been a close relationship between AFOMP and SEAFOMP for many years and the two federations have often held joint conferences. AFOMP is keen to formalise its relationship with SEAFOMP by agreeing on and signing a memorandum of understanding with SEAFOMP and will work towards this in the near future.

New AFOMP Web Site

An organization's web site is often its primary way of communicating with its members. A new AFOMP web site is being developed. It will be hosted in India. We are looking forward to it taking on a new form where it will be more user friendly and with a new look.

AFOMP Code of Ethics for Medical Physicists

In 2017, the Professional Development Committee considered producing a Code of Ethics for the members of AFOMP's national member

organizations. It considered the codes of conduct that several medical physics societies in Asia and in other countries have produced. The new code of conduct specifies the expectations of medical physicists in terms of four categories: Professional Conduct, Clinical Practice, Research and Education & Training. It was presented to the AFOMP Council at its annual meeting the AFOMP/AMPI conference in Jaipur in November 2017 where it was approved by the Council. We expect it to be published in Australasian Physical and Engineering Sciences in Medicine in the near future.

AFOMP's Constitution

AFOMP's Constitution has not been revised for many years. It no longer reflects how AFOMP operates nor does it include newer categories of membership. The Professional Development Committee of AFOMP is drafting a revised constitution which will be forwarded to the Executive shortly.

FAMPO Report

Francis Hasford
FAMPO Secretary General

Introduction:

The Federation of African Medical Physics Organizations (FAMPO) is the regional federation of the International Organization for Medical Physicists (IOMP) in Africa. The Federation was established in December 2009 to promote the application of physics in medicine in the Africa region.

Activities of FAMPO are extended throughout Africa and the local Islands in the region. Currently, the Federation has membership from 30 countries within the region. National Member Organizations (NMO's) are Algeria, Cameroon, Egypt, Ethiopia, Ghana, Kenya, Libya, Morocco, Namibia, Niger, Nigeria, South-Africa, Sudan, Tunisia, Uganda, Zambia and Zimbabwe. The remaining countries at present do not have the critical mass to establish NMOs. These include Angola, Burkina Faso, Cote D'Ivoire, Gabon, Madagascar, Mali, Mauritania, Mauritius, Namibia, Rwanda, Senegal, Sierra Leone and Tanzania.

Activities:

The International Atomic Energy Agency (IAEA) General Conference was held in Vienna in September 2015 and a side event on the key role of the medical physicist in providing quality and safety in medical uses of ionizing radiation was held. Education and Training (E&T) requirements for medical physicists and challenges in establishing training programmes were discussed and solutions proffered. FAMPO endorsed the 1st AAPM-ISEP Symposium that was held at Rabat in March 2016. FAMPO also endorsed the IAEA's Nuclear Medicine Handbook for Students and Teachers and encouraged its membership to use the material for training of medical physics students and interns.

Two Task Force Meetings (TFMs) were organized by IAEA and the Africa Regional Agreement (AFRA), with collaboration of FAMPO and IOMP in January (19th – 21st) and November (22nd – 24th) in 2016. The meetings focused on developing road map for the implementation of clinical training for medical physicists in Africa. Self assessment questionnaire was produced from the meeting as means of assessing the levels of radiotherapy practices in the region and capability of radiotherapy centres to offer fully- or partially-accredited clinical training in Medical Physics. Responses from the questionnaire were analyzed and discussed to explore feasible ways of implementing FAMPO accredited clinical training in the region. Expert advice was provided by Prof. Slavik Tabakov at the November meeting.

The AAPM/ISEP/FAMPO Workshop on Diagnostic Imaging was held in Rabat, Morocco from 26th – 29th March 2016. At the sidelines of the workshop, the opportunity was seized to have another FAMPO General Assembly to intimate our 'imaging-biased' colleagues in the region on the activities of the federation and the need for them to be more active in promoting the ethos and ideals of FAMPO.

In an effort to implement sustainable radiotherapy audit networks in Africa, a TFM organized by IAEA / AFRA in collaboration with FAMPO was held from 22nd – 24th August 2016 at the IAEA Headquarters in Vienna. The meeting discussed ways through which radiotherapy centres in the region could form part of a regular self-sustaining radiotherapy audit network and a workplan for its implementation was developed. The workplan was integrated into the IAEA Regional Project for Africa (RAF 6050: Improving Access to Quality Cancer Management through Sustainable Capacity Building) and is being followed

to ensure safe and effective radiation medicine practices in the region.

The much anticipated AFROBIOMEDIC Conference which was planned to take place in Abuja, Nigeria from 17th – 21st October 2016 was postponed, largely due to paucity of funds to support participants attendance amongst other logistics and organizational challenges however FAMPO wishes to appreciate the IOMP for the release of \$4,000.00 (Four thousand US dollars) to support the conference as grants but which has to be returned to the coffers of the IOMP when the meeting was postponed.

The 2016 and 2017 International Day of Medical Physics (IDMP) celebrations on 7th November received large participation from medical physicists from the region. The 2016 edition largely sensitized on the education and training of medical physicists in the region and the 2017 edition highlighted on the provision of holistic approach to women patients and women staff safety in radiation medicine. Several activities including workshops, seminars, lectures, etc. were organized by medical physicists in the region to commemorate the IDMP and to create awareness for the profession. In line with the 2016 celebration, Dr. Ahmed Ibn Seddik (Morocco) and Dr. Francis Hasford (Ghana) were announced as recipients of the IOMP President Award and IUPAP Young Scientists Award respectively. For 2017, Dr. Taofeeq Abdallah Ige (Nigeria) and Dr. Nashirudeen Abdul Mumuni (Ghana) were recipients of the IDMP Award and the IUPAP Young Scientists Award respectively.

The 5th General Assembly of FAMPO was held during the Final Coordination Meeting of the IAEA Project RAF 6044 in Tunis (5th – 9th December 2016). At the meeting, Chairs of the rejuvenated committees (i.e. Scientific, Professional Development and Education & Training) presented their workplans and received approval of the General Assembly. A roadmap was drawn for the conduct of elections to elect the next Executive committee of FAMPO.

On 1st October 2017, new leadership of FAMPO comprising of five elected executives and three committee chairs assumed office. The Executive Committee is made up of Dr.

Taofeeq Abdallah Ige (President), Mr. Christoph Trauernicht (Vice President), Dr. Ahmed Ibn Seddik (Past President), Dr. Francis Hasford (Secretary General), Dr. Odette Samba (Acting Treasurer), Prof. Ehab Attalla (Chair, Scientific Committee), Dr. Nadia Toutaoui (Chair, Education and Training Committee) and Dr. Graeme Lazarus (Chair, Professional Development Committee). The Executive Committee has a primary agenda of consolidating on the gains of the previous Executive Committee and has resolved to take the Federation to the next level of its destined pedestal in the comity of medical physicists in the world. Focus areas of the Executive Committee are:

- (a) To promote improved quality of radiation medicine services to patients in the region.
- (b) To promote the co-operation and communication among medical physicists in the region.
- (c) To promote the profession and practice of medical physics in the region.
- (d) To promote and improve the training of medical physicists.
- (e) To promote the advancement in status and standard of practice of the medical physics.
- (f) To facilitate the organizing of international, regional and national conferences, courses and meetings.

In March 2018, FAMPO signed an MOU with MEFOMP with focus on strengthening collaboration in areas of common interest and expand partnership between the two federations.

The federation has continued to champion the adoption of the IAEA / AFRA published documents on education and training of medical physicists, provide advice on the establishment of AFRA Regional Designated Centres (RDCs) for the training of medical physicists and encourage mentorship of sister radiation medicine centres in the region by recognized RDCs.

Achievements

- Strengthening of the communication aspect of the federation by redesigning the FAMPO

website (www.fampo-africa.org) in terms of quality and content and regular email updates.

- Roadmap for establishing FAMPO accredited clinical training of medical physicists developed.
- Roadmap for implementation of sustainable medical physics audits in Africa developed.
- Formation of FAMPO Council and strengthening the composition and mandates of the committees.
- Synchronization of IAEA and IOMP activities in Africa to have maximum benefit to the FAMPO fraternity.
- Creation of concrete database of medical physicists in the region and regular updates.

Challenges

- Lack of established secretariat to handle administrative and financial activities.

Future Plans

- Facilitate the hosting of FAMPO conferences, workshops and seminars.
- Fund raising initiative to support the execution of the organization's work plan.
- Build a register of experts of Medical Physics audits in the region.
- Liaise with IAEA to establish more RDCs for academic and clinical training of medical physicists in Africa.

MEFOMP Report

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Since its establishment in 2009, MEFOMP has developed very rapidly with many activities in many of its member states in collaboration with local medical physics societies. This shows how the people in our region are eager to enhance our profession and develop new skills and acquire the latest technologies

in the diagnosis and treatment of medical diseases. Below is a list of such activities which included conferences, symposia, workshops, seminars, and other Training and Educational sessions that took place in our region:

MEFOMP Education and Training Activities in 2015

| Activity Title | Subject | Sponsoring Body | Location | Date |
|---|---|--------------------|----------|--------------------|
| Symposium in PET/CT | Nuclear medicine technology, PET/CT, Radiation dose, Quality control for PET/CT | HMC- QMPS - MEFOMP | Qatar | 8-12 February 2015 |
| 2 nd Workshop on Radiation Safety in Interventional Radiology and Cardiology | Radiation safety | HMC- QMPS - MEFOMP | Qatar | February 21, 2015 |
| 6 th Gulf Nuclear Medicine Conference | Conference | HMC- QMPS - MEFOMP | Qatar | 26-28 March 2015 |
| Workshop | Workshop in Speck CT | HMC- QMPS - MEFOMP | Qatar | March 27, 2015 |
| MEFOMP Meeting | Meeting | HMC- QMPS - MEFOMP | Qatar | April 7, 2015 |
| Summit on Radiation in Life | Radiation Safety | HMC- QMPS - MEFOMP | Qatar | 6-7 April 2015 |
| International Medical Physics Day | Workshop on Radiotherapy | LAMP | Lebanon | November 10, 2015 |
| International Medical Physics Day | Better MP= Better cancer care | HMC- QMPS - MEFOMP | Qatar | November 7-8, 2015 |
| International Medical Physics Day | Medical Physics | IMPS | Iraq | 7 November 2015 |
| MEFOMP Meeting | Meeting | HMC- QMPS - MEFOMP | Qatar | November 8, 2015 |

MEFOMP Education and Training Activities in 2016

| Activity Title | Subject | Sponsoring Body | Location | Date |
|---|--|---------------------------------|----------|----------------------------|
| Workshop | 1 st Medical Physics Workshop on CT | HMC- QMPS - MEFOMP | Qatar | Dec.31, 2015 - Jan.1, 2016 |
| Workshop | Physics in Nuclear Medicine | EMPS -MEFOMP | UAE | Feb 2-4, 2016 |
| 3 rd Workshop on Radiation Protection in Interventional Radiology and Cardiology | Radiation safety | HMC- QMPS - MEFOMP | Qatar | 25-26 February 2016 |
| Workshop | Quality Control in Mammography & CT | JMPS -MEFOMP | Jordan | April 23-26, 2016 |
| HDR Symposium | Radiotherapy | Middle East Institute of Health | Lebanon | February 27, 2016 |
| Radiation Protection in Nuclear Medicine | NM | KCCC | Kuwait | May 2016 |
| Medical Physics Symposium | Medical Physics | Saudi Health Exhibition | KSA | 18 May 2016 |
| Medical Advancements in Nabatieh | Cancer | NBGUH | Lebanon | August 13, 2016 |
| MEFOMP Meeting | Meeting | HMC- QMPS - MEFOMP | Qatar | Aug 28, 2016 |
| MEFOMP Workshop | Radiation Protection Officers Course | HMC- QMPS - MEFOMP | Qatar | Aug 27-29, 2016 |

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|--|---|----------------------------------|-----------------|---------------------|
| 4th Cancer Care Conference | Cancer | CMC | Lebanon | 14-15 October 2016 |
| Radiation Safety Course | Safety Culture | MMC-LAMP | Lebanon | 23 October 2016 |
| International Medical Physics Day | Education and training in Medical Physics | HMC- QMPS - MEFOMP | Qatar | November 7, 2016 |
| International Day of Medical Physics Symposium | Medical Physics | CMC- LAMP | Lebanon | November 7, 2016 |
| International Medical Physics Day | Radiation Safety Awareness | KFMC | KSA | 7 November 2017 |
| International Medical Physics Day | Medical Physics | IMPS | Iraq | 7 November 2016 |
| 2nd Symposium on Radiology | Radiopathology & Radioprotection | LU | Lebanon | November 19, 2016 |
| MEFOMP Education and Training Activities in 2017 | | | | |
| Activity Title | Subject | Sponsoring Body | Location | Date |
| Creation of a Task Group to define the Qualified Medical Physicist & RSO | Medical Physics | SMPS | KSA | 23 January 2017 |
| Workshop on Radiation Safety Culture in Health Care | Safety Culture | WHO, IAEA, AAPM, MEFOMP and IOMP | Qatar | 6 – 7 February 2017 |
| 2 nd Medical Physics Workshop on CT “Advances in CT Technologies” | CT | HMC- QMPS - MEFOMP | Qatar | Feb. 11 2017 |

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|---|--------------------------------------|--------------------------|---------|----------------------------------|
| Medical Professionals' Radiation Safety Course | Safety Culture | MP- LAMP | Lebanon | March 4, 2017 |
| Radiation Safety: From Core of Knowledge to Practice Guidance | Safety Culture | KFMC | KSA | 8-9 March And 6-7 December |
| 4rd Workshop on Radiation Safety in Interventional Radiology and Cardiology | Radiation Protection | HMC- QMPS - MEFOMP | Qatar | March 18, 2017 |
| 1st Annual PET/CT & PET /MRI Congress of West Asia | Nuclear Medicine & Molecular Imaging | KAMP | Kuwait | 19th to 22nd March 2017 |
| Physics Review Course for Radiology Residents | Board examination | SMPS | KSA | 26 March to 6 April 2017 |
| Radiation Safety Officers Training Course, | Radiation Safety | KAU | KSA | 23-25 April 2017 |
| Workshop on Quality Control of CT and MRI Imaging | Radiology | Ministry of Health | KSA | 24 April 2017 |
| Astro | brachytherapy and nuclear medicine | Al-Farouq Medical center | Iraq | April 2017 |
| LINAC commissioning | Medical Physics | Baghdad Medical City | IMPS | July 8, 2017 |
| MP Residency program | Medical Physics | SCFHS- SMPS | KSA | 13 Aug.2017 |
| 4th International Conference on Advances in Biomedical Engineering | Biomedical Engineering | LU | Lebanon | October 19-20, 2017 |
| Radiation Protection Officer Course | Radiation Protection | HMC-MEFOMP | Qatar | 29-31 October 2017 |

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|--|---|---|-----------------|--------------------------|
| International Day of Medical Physics 2017 | Medical Physics | KCCC | Kuwait | 2nd November 2017 |
| 16th Asia Oceania Congress of Medical physics | Medical Physics | IOMP-AMPI- AFOMP- AAPM- ICTP-MEFOMP | India | 4-7 November 2017 |
| IAEA national Training Course on internal Dosimetry Procedure for nuclear medicine | Medical Physics | KCCC | Kuwait | 5th to 9th November 2017 |
| “9th International Conference on Medical Physics” and the Conference on Physics in Medicine: | Diagnosis to Treatment | KFMC | KSA | 6-8 November 2017 |
| International Medical Physics Day | Medical Physics | IMPS | Iraq | 7 November 2017 |
| International Medical Physics Day and the Radiation Safety Awareness Day | Medical Physics | KFMC | KSA | 7 November 2017 |
| 9th International conference of Isotopes & Expo | Nuclear Medicine | Qatar University- Qatar Medical Physics Societies | Qatar | 12-16 November 2017 |
| International Medical Physics Day | Education and training in Medical Physics | QMPS - MEFOMP | Qatar | November 13, 2016 |
| 5th Radiation Protection in Interventional Cardiology Workshop | Radiation Protection | HMC-MEFOMP | Qatar | 2nd December 2017 |
| MEFOMP Education and Training Activities in 2018 | | | | |
| Activity Title | Subject | Sponsoring Body | Location | Date |
| 1st Radiation Protection Workshop in Nuclear Medicine | Nuclear Medicine | HMC-QMPS - MEFOMP | Qatar | January 20, 2018 |

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|---|---|---------------------------------------|---------|-------------------------|
| ORTHOPEDIC NUCLEAR MEDICINE UPDATE | Nuclear Medicine | KAMP | Kuwait | 11th to 13th March 2018 |
| Iraqi cancer board meeting | medical physics residency program | IMPS | Iraq | February, 2018 |
| Physical principles and Trends in Hybred Imaging Workshop | Medical Physics | Kuwait Association of Medical Physics | Kuwait | 12-21 March 2018 |
| Optimization and Dose Management in CT | Radiation Protection | HMC-QMPS - MEFOMP | Qatar | March 12, 2018 |
| 1st Student Innovation and Research Conference | Medical Physics | BAU | Lebanon | 27-28 March, 2018 |
| Training Course on Radiation Protection for Radiologist | Radiation Protection | HMC-QMPS - MEFOMP | Qatar | April 14, 2018 |
| Radiotherapy Physics Workshop | Cancer | KCCC | Kuwait | 14th April 2018 |
| Genitourinary & Gynecological Cancer | Cancer | KAMP | Kuwait | 14 to 16 April 2018 |
| Radiation Safety in nuclear medicine 'Refresher Course' | Radiation Protection | KCCC | Kuwait | 9th May 2018 |
| first annual workshop in medical physics | Modern techniques for the service of medical institutions | Al-Karkh university | Iraq | May 9, 2018 |
| Radiation Protection Course | Radiation Protection | HMC-QMPS - MEFOMP | Qatar | 12-14 May 2018 |
| Laser Safety Course | Laser | HMC-QMPS - MEFOMP | Qatar | May 14, 2018 |

ALFIM Report

Rodolfo Alfonso
President, ALFIM

ALFIM is a civil society created on July 18th, 1984, during the 26th AAPM Annual Meeting and the First Inter American Meeting on Medical Physics. Currently ALFIM is formed by national medical physics societies from 15 Latin American countries (Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, México, Panamá, Paraguay, Peru, Uruguay and Venezuela).

Regional Congress on Medical Physics ALFIM 2016, Argentina.

From September 4th to 7th, 2016, the 7th Latin American Congress on Medical Physics took place at Villa

Carlos Paz, Córdoba, Argentina. These regional congresses have been taking place every 3 years since 1998. This is the most relevant event organized by ALFIM, and in this occasion it was hosted by the

Argentinean Society of Medical Physics (SAFIM), in collaboration with the IAEA, IOMP, PAHO and AAPM. Over 200 proffered papers were included in the program as oral or poster presentations; several pre-congress and refresher courses were also delivered.

Diversity/Inclusion symposium at the 2016 AAPM Annual meeting, Washington DC.

Many efforts have been made to increase the diversity in the science workforce. Having greater diversity can increase the creativity in medical physics. Diversity not only focuses on race, ethnicity and gender, but it can also include socioeconomic status, sexual orientation and more. ALFIM was invited to provide information about the status of diversity and inclusion of medical physics in the region.

Affiliation to the Latin American Network for Education and Training in Nuclear Technologies ALFIM was accepted as full member of LANENT, which is a regional network that promotes the education and training initiatives in nuclear technologies, including those applied in Medicine.

5th Conference on Medical Physics, Chile

ALFIM endorsed this sub-regional Conference, organized by the Universidad de La Frontera, in Temuco, Chile, from November 9th to 11th, 2016. The presidency of ALFIM was invited to deliver talks about relevant professional topics of medical physics.

International Symposium on Radiation Protection in Medicine, Peru

ALFIM endorsed the Symposium, which took place in Arequipa, Peru, from August 20th to 24th, 2017. The aim of the symposium was to show advances in medical practices regarding radiation protection measures put in places by regulators and health authorities, including the role of professional societies interested in contributing to the IAEA-WHO declaration: the Bonn Call for Action. ALFIM contributed to promote the Symposium among the Medical Physics community and the dissemination of its conclusions.

AAPM / IOMP ISEP 2017 Course on Medical Physics, Peru

ALFIM endorsed the organization of "AAPM / IOMP ISEP 2017 Course on Medical Physics" held from October 3rd to 7th, 2017 in Lima, organized by the Peruvian Society of Medical Physics (SPFM), together with the Peruvian Institute for Neoplastic Diseases (INEN). The course focused on theoretical and practical aspects of imaging physics, having a sub-

regional scope, including participants from the Andean countries.

III School on Medical Physics, LASNPA, Cuba

In the framework of the XII Latin-American Symposia Nuclear Physics and Applications (LASNPA), the III School on Medical Physics took place in Havana, Cuba, from 23rd to 27th of October 2017, co-organized by ALFIM and the IAEA, with the sponsorship of IUPAP, PAHO, AAPM and ICTP. There were 103 participants attending the School, 41 foreigners from 26 countries and 62 Cubans. In the framework of the School, 4 refresher courses, 3 keynote presentations, one mini workshop, 9 invited lectures and one practical seminar were delivered. Additionally, 53 proffered papers contributed to the event.

Education and Training in Medical Physics

Currently the main concern regarding E&T of medical physicists in LA & Ca is related the lack of accredited clinical training programs. According to the last survey performed by ALFIM in the region, there are 20 on going postgraduate (Master level) and undergraduate (BSc. or Eng.) programs in Medical Physics, while the clinical training programs (hospital-based residencies) are very scarce. This situation is to some extent motivated by the lack of recognition of the medical physicist as a health professional by most of the national health authorities, as recommended by the ILO classification of occupations. In the last 2 years,

there has been a modest intent to promote new clinical training programs, as those developed in Argentina, Brazil, Ecuador and Mexico. ALFIM is strongly endorsing the creation, implementation and recognition of competence based clinical training programs in Medical Physics. ALFIM, in close cooperation with IOMP, ICTP, PAHO and IAEA, is organizing a sub-regional E&T workshop for Central America and the Caribbean.

Support to Medical Physics profession in small Caribbean countries

ALFIM is supporting the new regional IAEA project for Strengthening Human Capacities of Caribbean

Countries in Radiation Medicine (RLA/6/081), through enhancing continuous professional education and strengthening training programmes for current and new staff. ALFIM should provide its expertise in organizing sub-regional clinical training programs for academic degree holders in medical physics and continuous professional development approaches.

ALFIM/ICMP-2019

ALFIM supported the application of the Chilean Society of Medical Physics (SOFIMECH) for hosting the 24th International Conferences on Medical Physics. This bid was won so the next ICMP will take place in the framework of the next 8th ALFIM Congress, which will take place in Santiago de Chile in September

2019. During the conference there will be time dedicated to address the educational, training, and professional aspects of the medical physics profession. During this conference ALFIM expect to organize courses and workshops sponsored by IAEA, AAPM and other international organizations.

Conclusions

In recent years, notable advances have been made in Medical Physics in Latin America and the Caribbean.

Despite the great advances achieved in the last decade in terms of acquiring new equipment, sophisticated technologies and trained personnel, Medical Physics in Latin America remains far below the level necessary to provide adequate support for current radiotherapy and clinical diagnosis needs.

Nevertheless, the number and size of national and regional events and activities where the medical physics organizations have been involved has continuously been increasing.

COMP Report

Who are we?

The Canadian Organization of Medical Physicists (COMP) is the professional body for medical physicists practicing in Canada. The membership is composed of professional physicists, scientists, and academics located at universities, hospitals, cancer centres, and government research facilities such as the National Research Council of Canada as well as graduate students and post-doctoral fellows. Every member has an educational or professional background in physics or engineering as it applies to medicine. COMP also encourages corporate membership by national and international corporations. COMP engages 760 members, 585 of whom are currently working as Medical Physicists.

What is our aim?

In 2016, COMP developed a strategic plan, summarized below, that defines our Visions, Mission and Strategic Priorities until 2020. By outlining our ambitions, this strategic plan guides our actions and has been extremely valuable in goal setting and prioritizing over the last few years.

COMP VISION AND MISSION

VISION:

to be the recognized leader and primary resource for medical physics in Canada

MISSION:

to champion medical physicists' leadership in patient care through education, innovation, and advocacy.

STRATEGIC PRIORITIES:

1. Advocate for medical physicists as leaders in innovation and technology implementation in health care.
2. Ensure medical physicists in Canada can create and have access to relevant scientific and professional content.
3. Connect the entire Canadian medical physics community: to each other, to COMP, to other professionals, and to resources.
4. Engage in strategically aligned international initiatives.

A resource for the IOMP community

We would like to highlight for the IOMP community an endeavor that may be a valuable resource for our international colleagues. COMP, in partnership with The Canadian Partnership for Quality Radiotherapy (CPQR), has developed a suite of Technical Quality Control (TQC) guidelines for radiation oncology technology and equipment, to promote high quality and safe patient care.

The set of 14 guidelines and 1 overarching guidance document reflect the latest in technical quality control testing recommendations and may be useful to many IOMP members. They are already being incorporated into centres across Canada. The guidelines are available open-access. You will find the TQCs published in the Journal of Applied Clinical Medical Physics and the full suite is also available to download from the CPQR website: <http://www.cpqr.ca/programs/technical-quality-control/>

We hope to see you at upcoming events in Canada

The 2018 Joint Annual Scientific Meeting: All for One- Collaborating and Innovating for Person-Centred Care September 18-20, 2018|Montreal, QC ☐ The 10th Annual Canadian Winter School: Focus on Magnetic Resonance Imaging Quality and Safety February 5-8, 2019 | Ottawa, ON ☐ The 2019 Annual Scientific Meeting September 24-27, 2019 | Kelowna, BC

Regional Coordination Board (RCB) Report

Slavik Tabakov, President IOMP
Chair RCB (June 2015 – June 2018)

This new Board of the IOMP was formed immediately after the Council meeting in Toronto 2015, aiming to increase the cohesion and coordination between all IOMP Regional Organizations (Federations). RCB meetings have usually included IOMP ExCom and the Presidents and General Secretaries of all IOMP Regional Organizations (Federations) and main Societies. The main objectives of the RCB are:

- To coordinate the exchange of activities and good practices between all members in the Regions of IOMP.
- To regularly share information about the developments in the IOMP Regional Organisations
- To maintain closer links between the leads of IOMP and the Regional Organisations
- To foster inter-regional collaboration for the advancements of medical physics.

During the period RCB had 4 meetings. During these decisions were taken for support of the new “IOMP School” and for the Workshops for LMI countries. RCB discussed and agreed inter-regional support for the ICMP2016 in Bangkok, Thailand, and also for the

Regional Congress of EFOMP (Athens, Greece), ALFIM (Cordoba, Argentina) and AFOMP (Jaipur, India). RCB also discussed the themes of the IDMP and provided full regional support for the celebrations in all continents.

At the RCB meeting in Jaipur (AOCMP 2017), RCB discussed in detail the proposal for the formation of an IOMP Company, which to provide the legal representation of the Organization. Following the RCB support for this activity, full regional support was received for the Council discussion and approval of this important step of the Organization. RCB also discussed the potential venues of the future ICMP and WC.

RCB quickly proved to be a very important body of the IOMP, providing very good horizontal synchronization and inter-regional (inter-continental) support of various professional activities. All IOMP Regional Organizations (Federations) and the main Societies accepted the RCB as a necessary vehicle for international collaboration in the profession.



Meeting of the Regional Coordination Board in Bangkok at the ICMP2016

INTERNATIONAL WOMEN'S DAY CELEBRATION

Theme: Radiation safety of Mother and child

Organized by

DEPARTMENT OF RADIOLOGICAL PHYSICS
SMS Medical College and Hospitals, Jaipur, Rajasthan, India

Report by: Rajni Verma ,Assistant Professor,Dept. of Radiological Physics

Department of Radiological physics has successfully organized a morning seminar on 8TH March 2018 and celebrated International women's day with a theme "Radiation safety of Mother and child" to create awareness regarding Pregnant women radiation/ health worker, patient and child radiation safety. As Medical Physics department this day we commemorate contribution of great scientist *Marie curie* in field of Medical Physics, as she is a mother to the field of Medical Physics. Madam Curie's life is an inspiration to all women specially those who are working in science and medicine field. She had faced too many highs and lows in her life but her undying spirit and zeal to science has opened gates of Physics to Medicine.

Seminar was started with lightening of lamp and garland ceremony. Around 50 women medical professionals had attended the seminar, which comprise of two talks addressing the theme of the seminar and an awareness skit prepared by students. All participants had participated actively, shown interest and enthusiasm towards radiation protection and its awareness among women's. Both the talks are followed by active and intense discussion related to the issues subjected to radiation safety, problems related to pregnant women and children's. Seminar also had focused on recognition and appreciation of services provided by women medical professional to healthcare. Awareness skit played by students has conveyed the message strongly with giggles among the participants.

1. *“Contribution of women in healthcare, society and science”*

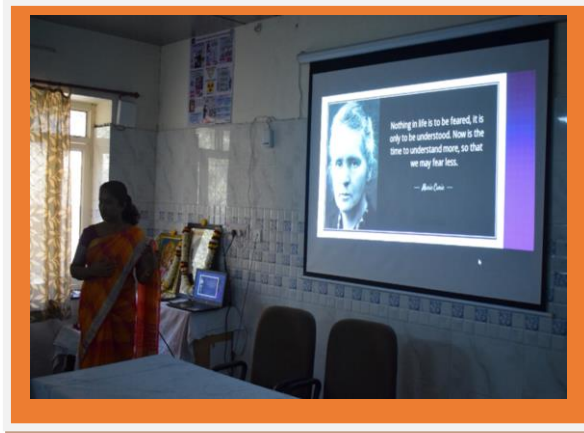
By *Dr.Arun Chougule*, Sr. Prof & Head, Department of Radiological Physics ,SMS Medical College and Hospitals, Jaipur, India.



2. “Radiation Protection and Safety of Women and Children”

By **Ms. Mary Joan**, Assistant professor,

Dept. of Radiological Physics, SMS Medical College and Hospitals, Jaipur.



Active participation and discussion related to women and children radiation safety has given success to the program and aim of the seminar is satisfactorily achieved. Seminar comes to end with pledge to provide friendly, healthy, radiation safe working environment to women medical professionals and radiation safety awareness to women patients, children's and general public.

3. Skit played by students on *awareness among common public about women and children radiation safety.*

Students had wonderfully played the role of villagers and a medical physics professional conversation during journey in public transport of city about radiation safety of women and child. This has clearly conveyed the message with fun.





IOMP 2015 - 2018 IN A GLANCE

The International Organization for Medical Physics (IOMP) is charged with a mission to 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. IOMP Represents over 20 000 Medical Physicists and over 80 National Member Organizations worldwide.

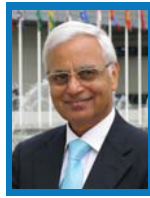
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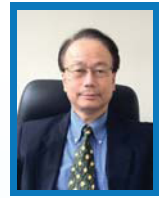
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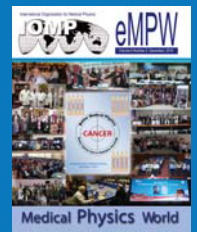
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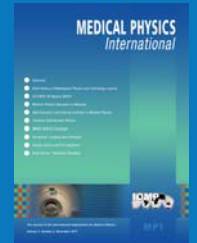
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IOMP Publications



Medical Physics World
ISSN 2313-4712



Medical Physics International
www.mpjournal.org
ISSN 2306-4609

Regional Organizations

| | | |
|---|-----------|--------------------------|
| European Federation of Organizations for Medical Physics | (EFOMP) | www.EFOMP.org |
| Asian-Oceania Federation of Organizations for Medical Physics | (AFOMP) | www.AFOMP.org |
| Latin American Medical Physics Association | (ALFIM) | www.ALFIM.net |
| Southeast Asian Federation for Medical Physics | (SEAFOMP) | www.SEAFOMP.org |
| Federation of African Medical Physics Organizations | (FAMPO) | www.federation-FAMPO.org |
| Middle East Federation of Organisations for Medical Physics | (MEFOMP) | www.MEFOMP.org |

National Member Organizations

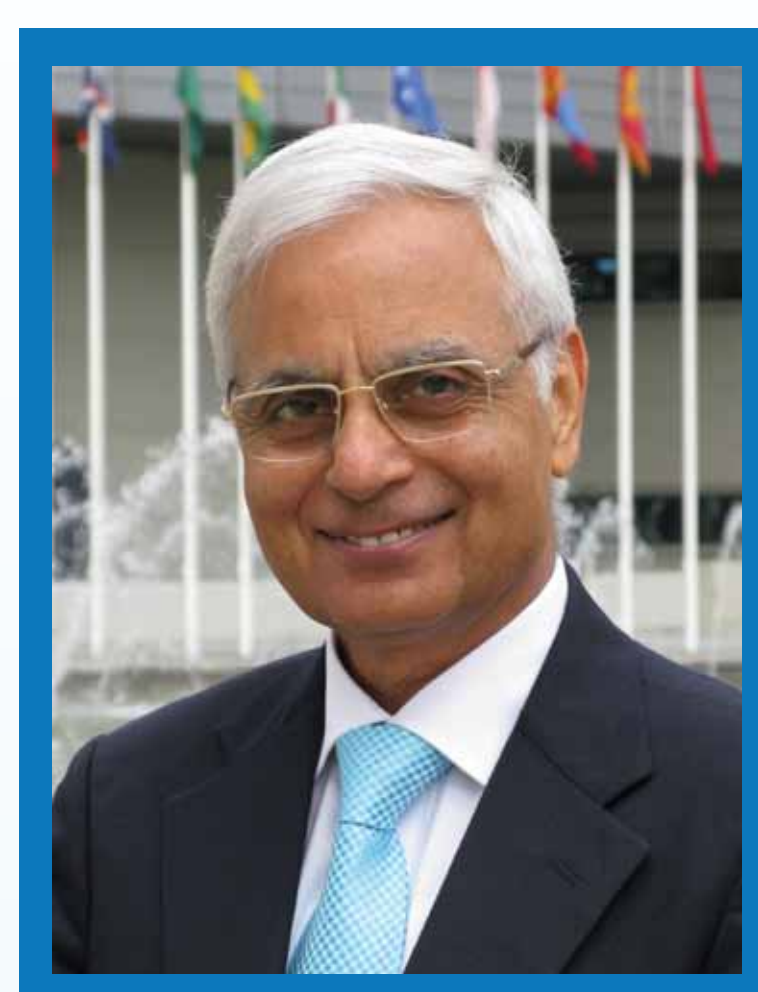
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18th Asia-Oceania Congress of Medical Physics 16th South-East Asia Congress of Medical Physics

11 – 14 November 2018
Connexion Convention & Event Centre
Bangsar South City, Kuala Lumpur, Malaysia

*A Sustainable Future for
Medical Physics*

www.aocmp2018.com



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Pre-Congress Workshop: 11 November 2018
Congress: 12 – 14 November 2018

Venue: Connexion Conference & Event Centre
Bangsar South City, Kuala Lumpur, Malaysia

Important Dates:

Abstract submission deadline: 1st July 2018
Abstract acceptance notification: 1st August 2018
Early bird registration deadline: 1st August 2018

Contact:
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CALENDAR OF EVENTS - Ibrahim Duhaini, Calendar Editor

▶ The World Congress on Medical Physics and Biomedical Engineering IUPESM - Prague

When: Jun 3 – 8, 2018

Where: Prague, Czech Republic

www.iupesm2018.org

▶ ISMRM Annual Meeting - Paris

When: Jun 16 – 21, 2018

Where: Paris, France

www.ismrm.org

▶ ISEP 2018 - Challenges in Modern Radiation Therapy Physics

When: Jul 3 – 7, 2018

Where: Ljubljana, Slovenia

www.aapm-isep.si

▶ 60th Annual Meeting & Exhibition

When: Jul 29 – Aug 3, 2018

Where: Nashville, TN

▶ EDMP and EACMPPE Examinations

When: Aug 21 – 22, 2018

Where: Copenhagen, Denmark

www.efomp.org/index.php?r=news&id=2

▶ 2nd European Congress for Medical Physics - Denmark

When: Aug 23 – 25, 2018

Where: Copenhagen, Denmark

www.ecmp2018.org

▶ Sponsored 10th International Conference on 3D Dosimetry (IC3DDose)

When: Sep 16 – 19, 2018

Where: Kunshan (near Shanghai), China

<http://people.duke.edu/~twr13/oldhamWeb/home.html>

▶ Co-Sponsored Joint ICTP-IAEA Advanced School on Quality Assurance and Dose Management in Hybrid Imaging (SPECT/CT and PET/CT)

When: Sep 17 – 28, 2018

Where: Trieste, Italy (map)

<http://indico.ictp.it/event/8336/>

▶ Endorsed Perspectives of Advanced Radiotherapy in Middle Income Countries

When: Sep 26 – 28, 2018

Where: Tehran, Iran

<http://parimics.isco.ir/>

▶ First AAPM – MEFOMP Workshop on Diagnostic and Therapy Medical Physics

When: 4-7 October, 2018

Where: Beirut, Lebanon

▶ EANM Annual Conference 2018

When: Oct 13 – 17, 2018

Where: Dusseldorf, Germany

<https://eanm18.eanm.org/>

▶ Int'l Conference on Monte Carlo Techniques for Medical Applications (MCMA2017) - Italy

When: Oct 15 – 18, 2018

Where: Metropolitan City of Naples, Italy

<https://agenda.infn.it/conferenceDisplay.py?confId=12594>

▶ 2018 ASTRO Annual Meeting

When: Oct 21 – 24, 2018

Where: Henry B. Gonzalez Convention Center - San Antonio, TX

▶ Engineers and Physical Scientists in Medicine (EPSM) conference in Medical Physics

When: Oct 29 – 31, 2018

Where: Adelaide SA 5000, Australia

<http://epsm.org.au/>

▶ 2018 RSNA Annual Meeting

When: Nov 25 – 30, 2018

Where: McCormick Place - Chicago, IL, USA

MPW/eMPW

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