



AFOMP Newsletter

Publisher :Dr.Tae-Suk Suh

Editor : Dr.Arun Chougule

Advisor : Dr. Yimin Hu

Dr. Howell Round

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Prof. Dr. Arun Chougule

From the desk of the editor

Wish you all very happy, healthy and prospers New Year 2016. I am happy to put before you the **Dec 2015** AFOMP newsletter issue

During the AOCMP 2015 at Xi'an, China, new office bearers of AFOMP for 2016-18 were elected. On behalf of myself and editorial board of AFOMP newsletter I take the opportunity to welcome the **Prof. Tae Suk Suh** as President AFOMP, **Prof. Arun Chougule** as Vice President, **Assoc. Prof. Howell Round** as Secretary General and **Prof. Ng Kwan Hoong** as Treasurer. We wish the new team all the best for their efforts to uplift the medical physics in general and AFOMP region in particular. I have stressed on earlier occasions and once again emphasis on close cooperation, communication between the national organisations of medical physicists in the AFOMP region and between individual medical physicists. Continuous education and updating of recent advancements, innovations in the field are the key to raise the standard of profession and there are number of educational resources to update yourself such as IAEA, AAPM, and ICTP, etc. The newsletter is trying to provide the information regularly in this regards and I welcome the readers/ agencies/ stakeholders to update us so that the information is spread.

Further, I appeal to all of you to kindly provide the information about scientific activities planned in coming years so that the information is put in newsletter /website for benefit of our members & colleagues. I know there are lots of heterogeneities in AFOMP region in terms of education standards, resources, carrier opportunities, structured academic programmes, still then with constant cooperation and updating the gap can be bridged. In this direction the efforts of IMPCB are remarkable. I have put the article on **IMPCB** for benefit of all readers. This newsletter contains an article "The Global Growth of Medical Physics in the past 50 years": - Dr. Slavik Tabakov, President IOMP, AFOMP travel grant report, AOCMP2015 report, and briefs about two medical physicist national organisations,

Once again I take this opportunity to wish you very happy New Year 2016 and all the success.

Looking forward for your feedback and inputs

Prof. Dr. Arun Chougule

WELCOME

CONFERENCE ON EMERGING TRENDS IN RADIATION THERAPY TECHNIQUES

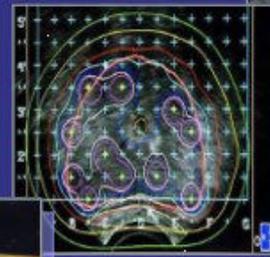
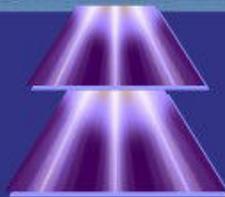
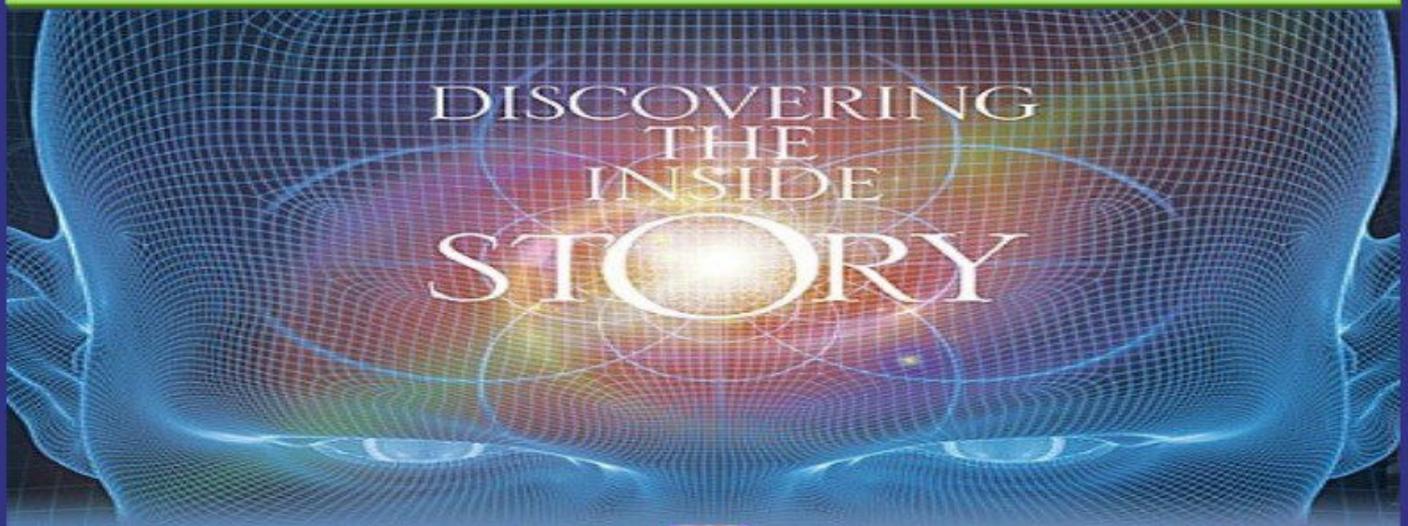
Organised by

DEPARTMENT OF RADIOLOGICAL PHYSICS, SMS MEDICAL COLLEGE, JAIPUR

In Association with

ASSOCIATION OF RADIATION THERAPY TECHNOLOGISTS OF INDIA (ARTTI-NC)

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MUKESH JAIN
ORG. SECRETARY

CONTACT US AT:- , +919414771343

WRITE TO US AT icmprt2k15@gmail.com, mukeshpatni05@gmail.com

DR. ARUN CHOUGULE
ORG. CHAIRMAN

+919928140113

Conference Report -15th Asia-Oceania Congress of Medical Physics (AOCMP 2015)

Professor Yimin Hu-President,AFOMP

Nov. 5-8, 2015, Kempinski Hotel, Xi'an, China

15th Asia-Oceania Congress of Medical Physics (AOCMP2015) was held on Nov. 5-8, 2015 in the Kempinski Hotel of the historical-ancient capital Xi'an city of China. This mega scientific event is co-sponsored and organized by the Chinese Society of Medical Physics (CSMP), the Shaanxi Provincial Cancer Hospital, Shaanxi Province, China, under the auspices of the Asia-Oceania Federation of Organizations for Medical Physics (AFOMP), the American Association of Physicists in Medicine (AAPM) and the International Organization for Medical Physics (IOMP). The chairman of this meeting is Professor Yimin Hu, the president of AFOMP, and also president of CSMP.

Altogether, 285 delegates participated in this international meeting, including 203 (44 students) from China, and 82 (27 students) from other countries. 123 oral presentations and 132 poster presentations were arranged from the submitted 255 scientific abstracts. Among them, excellent papers awards were given to 10 young medical physicists, 5 for oral and 5 for poster presentations.

The congress was planned in three days, from November 6-8, 2015. The program included 14 talks by invited speakers in the plenary and invited sessions, TG100 and RTIS workshop, IMPCB symposium, and 20 oral sessions covering the medical physics of radiotherapy, radiology, gamma knife, nuclear medicine, radiation protection, and medical physics education. In addition, a special session was held to celebrate the International Day of Medical Physics (IDMP).

The invited plenary and session lectures are as follow.

1. Plenary invited

Conference Report -15th Asia-Oceania Congress of Medical Physics (AOCMP 2015)

Professor Yimin Hu-President,AFOMP

Nov. 5-8, 2015, Kempinski Hotel, Xi'an, China

Speaker	Talk
Jiahong Gao	Diffusion Magnetic Resonance Imaging
Yimin Hu	LA technology improves patients care - on 6 high theory
Allen Li	MRI-guided RT
Kwan-Hoong Ng	How reliable is volumetric breast density in predicting breast cancer risk?
Jeffrey Williamson	From Anatomy-Based Dose-Localization to Biology-Guided Radiation Therapy
Lei Xing	Recent Advances in Radiation Therapy: Treatment Planning, QA and Dose Delivery
Tao Xu	Gamma Knife's Products and Technologies

2. Session invited

Speaker	Talk
Hasin Anupama Azhari	Determination of the reference air kerma rate for Ir-192 and Co-60 HDR sources using three different international protocols
Arun Chougule	Luminescence dosimetry-medical applications
Yiping Du	Recent Development in Short TE MRI
Fridtjof Nüsslin	Preparedness for Nuclear & Radiological Emergency – Challenging the Medical Physicist
Arabinda Kumar Rath	Particle Radiotherapy, an Emerging Technology for Treatment of Cancer
Yu Wen	Exploration of the precise diagnosis and treatment for Neusoft medical
Golam Abu Zakaria	Dosimetry of small photon fields according to the German protocol DIN 6809-8 (2014) and comparison with others protocols

In summary, the conference was successful and fruitful for all the participants, including radiation scientists, medical physicists, radiation oncologists, radiologists, radiobiologists, dosimetrists, and radiation technologists, researchers & students.

IMPCB Update

Raymond K Wu, PhD, CEO of IMPCB

One year has passed since I wrote about the International Certification Board in the newsletter. IMPCB and its Accreditation Committee (AC) and Subcommittees had accomplished a number of projects. I am happy to make another report as requested by Professors Suh and Chougule for the readership here.

The most significant news is the agreement reached with IOMP on the relationship between the two organizations which resulted in IOMP becoming more involved with the affairs and future development of the organization. A joint Task Group (TG) was formed upon request by IOMP to initiate discussions and make recommendations. The TG also took steps to prepare for the IOMP Council's official recognition of IMPCB in Toronto. The recommendations of the TG initiated the amendment of the IMPCB ByLaws which were approved by the Board of Directors and by the Voting Members. The agreement is documented in the Memorandum of Understanding (MoU) approved by IOMP and IMPCB. The main points in the MoU include the clarification that IMPCB will focus on the standardization and accreditation of certification programs for medical physicists, whilst the accreditation of education and training programs is the responsibility of the IOMP. IMPCB will adopt IOMP guidelines in the requirements for certification and accreditation of certification programs. Included in the MoU is the agreement that IOMP will be designated the Principal Supporting Organization with three representatives on the BOD of IMPCB.

Based on the IOMP policy statements and other published standards, the AC completed the document "Requirements for Successful Completion of the Certification Process" to describe in more details the expectation of education pre-requisites before taking the certification examinations. The Board of Directors (BOD) approved the document, and authorized the AC to proceed with the tasks related to accreditation of national certification boards that are adhering to the requirements. The BOD also agreed to collaborate with the IAEA to work on assisting organizations to establish their national certification, and the certification of individuals in certain countries that national boards are not likely to be established due to the lack of resources or low number of medical physicists.

In June, the Hong Kong Institution of Physicists in Medicine (HKIPM) became the first Supporting Organization after the ByLaws amendment and joined the other Charter Supporting Organizations of IMPCB. At the same time the Korean Medical Physics Certification Board (KMPCB) and the HKIPM officially submitted the applications for accreditation. The AC worked diligently in subsequent months to review the applications, and communicated with several medical physicists including some outside of the KMPCB and HKIPM leadership. The review resulted in the recommendations to the BOD in August, 2015, and the Board voted to grant conditional approval of accreditation for both boards pending site visits to be conducted in November.

The site review team for KMPCB consists of Tomas Kron, AC Chair, Raymond Wu,

IMPCB Update

Raymond K Wu, PhD, CEO of IMPCB

CEO, and Colin Orton, President, with Siyong Kim, BOD member as consultant. The contingent travelled to Seoul on Nov 2-3, immediately before the AOCMP2015, to meet with the officials of KMPCB, the students of two training programs, and the faculty. The team visited two of the hospitals, and met with medical physics leaders from many Korean institutions. The Presidents of the Korean Society for Radiation Oncology and the Korean Society of Nuclear Medicine joined the President of Korean Society of Medical Physics to expressed support of KMPCB. The site review team recommended to the AC for full accreditation which was approved via email. On November 3rd, Mr Sang-Jin Shin, Korean legislator, presented a symposium managed by KSMP at the Korean National Assembly entitled "System Renovation for Safety in the Field of Radiation Medicine". The announcement of approval of the accreditation application was made in the middle of the symposium by President Orton. The first medical physicists to be certified by the newly accredited KMPCB were given the certificates. After the symposium, the certified young physicists were pictured with the KMPCB officers and the site review team (see pictures).

Immediately after the AOCMP2015, a site review was conducted in Hong Kong on November 10 and 11. The site review team consists of Carmel Caruana, AC member, Raymond Wu, and Colin Orton. The team visited the medical physicist training centre in Hong Kong Sanatorium & Hospital (HKSH), talked to the trainees individually, met with the faculty, and had lunch with HKSH management and administrators. In the afternoon the team travelled to the Prince of Wales Hospital to meet with the trainers and trainees in a group setting. In the following morning, the team met with officers of HKIPM to discuss the perceived strength and weaknesses, and made recommendations for future improvements. As in Korea, the Team recommended to AC for full accreditation which was approved via email. Later in the evening, there was a seminar organized by HKIPM attended by medical physicists from many private and government hospitals as well as radiation oncologists, radiologists, and government regulators. In the seminar, the three site review team members made presentations and announced the approval of the accreditation application (see pictures).

Not by coincidence, the medical physicist communities of Korea and Hong Kong were the two earliest supporters of the international board certification initiative. They have certification programs in practice for many years. Through the accreditation exercise, both programs had to make significant improvements to achieve the status of accreditation. We hope the future impact in the quality of healthcare in both communities will justify the efforts.

IMPCB is ready to accept additional national medical physics organization as Regular Supporting Organizations. All Supporting Organizations are welcomed to request for assistance to develop their certification programs or apply for accreditation. For more details, please visit <http://www.IMPCB.org>.

The readership is reminded that there is an article in the December issue of the

IMPCB Update

Raymond K Wu, PhD, CEO of IMPCB

eMPW on IMPCB written by President Colin Orton.



Fig 1. Site review meeting with faculty of one of the training sites in Korea

Fig 2. Site review team with Korean Legislator S J Shin, KOSRO President Dr. Eun-Kyung Choi, National Assembly Parliamentarian J K Lee, KSNM Past President Dr D H Moon, and Korean medical physics leaders



Fig. 3 Site review team with officers of HKIPM

Fig. 4 Accreditation announcement at the Seminar organized by HKIPM



Welcome Message from Thai Medical Physicist Society



On the behalf of Thai Medical Physicist Society and the local organizing committee, I am pleased to extend our warm welcome to the 22nd International Conference on Medical Physics 2016 held on December 9-12, 2016 at the Shangri-La Hotel, Bangkok, Thailand.

The Theme of the Conference is

"Medical physics propelling global health"

The Conference is hosted by the cooperation of:

- International Organization of Medical Physics (IOMP)
- Asia- Oceania Federation of Organizations for Medical Physics (AFOMP)
- European Federation of Organizations for Medical Physics (EFOMP)
- Middle East Federation of Organizations for Medical Physics (MEFOMP)
- South-East Asian Federation of Organizations for Medical Physics (SEAFOMP)
- Japanese Society of Radiological Technology (JSRT)
- Thai Medical Physicist Society of Medical Physics (TMPS)
- Thailand Convention & Exhibition Bureau (TCEB)

It is the first time that Thailand hosts the International Conference on Medical Physics (ICMP) in Bangkok, the 'City of Angels' and the 'Venice of the East' which you can enjoy the Asian culture of the gorgeous temples and Grand Palace along the Chao Phya River with the fantastic world famous Thai food.

The Scientific and Commercial Exhibition Committee are preparing for the highest scientific and educational quality through lectures, symposium, workshop, proffered papers, e-posters together with the radiological products of advanced technology from every corners of the world.

I wish you participate the coming conference arranged with the Welcome Reception, Lunch Symposium, Scientific and Exhibition sessions with several social programs in December 9-12, 2016 Bangkok, Thailand.

Thank you,

Anchall Krsnanachinda, Ph.D.
President, TMPS
November 12, 2015



www.icmp2016.org

The Global Growth of Medical Physics in the Past 50 years

Slavik Tabakov, PhD, FIPEM, FHEA, FIOMP, Hon. Prof. IOMP President



The history of the International Organisation for Medical Physics (IOMP) now spans over more than 50 years. In this period of time we saw dramatic changes in healthcare and in particular in the progress of medical technology. When at mid-1960 there were about 6000 medical physicists globally (mainly in USA and the Western world), now in 2015 these are about 20,000 globally, with many medical physicists in low-and-medium-income countries.

This growth has also another specific characteristic. While at the beginning most medical physicists were working in Radiotherapy, gradually an increasing number of colleagues were employed also in the field of Medical Imaging and related Radiation Protection. To use a technical analogy, this growth could be compared to a system with positive feedback, which led to acceleration of the development of various new equipment. Starting in late 1960s and early 1970s with the new Ultrasound Imaging and Computed Tomography, just after two decades all Medical Imaging equipment was moving toward digitalisation.

The new equipment applied new physical phenomena and transformed immensely the healthcare provision. Today it is impossible to even imagine contemporary medicine without the sophisticated Medical Imaging and Radiotherapy equipment. Due to this reason, when the high-level UNESCO World Conference “Physics and Sustainable Development” (Durban, South Africa, 2005) discussed the main topics of applied physics in the 21st century, one of the highlighted topics was ‘Physics and Health’ (presented by IOMP).

However the positive feedback system required more and more medical physicists – initially for research and industry, but later increasingly more for supporting the clinical application of the new equipment (related both to safety and effective use). This presented the profession with a new challenge – developing new educational methods and materials, which would create a fast track from the new applied research to the teaching desk. This is how in the mid-1990s medical physics was one of the first professions to develop and implement its own original e-learning materials (EMERALD and EMIT). These materials were quickly disseminated all over the world through the ICTP College on Medical Physics (an institution under the aegis of IAEA/UNESCO). Currently elements of these e-learning materials are used in more than 70 countries. This specially boosted the development of medical physics education and training in low-and-medium

The Global Growth of Medical Physics in the past 50 years

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income countries. Typical example for this is Asia, where in the past decade the growth of medical physics specialists is over 120%.

This educational development triggered increased international collaboration. In the past two decades IOMP co-organized nearly 100 workshops, seminars and courses with attendees from about 85 countries. Half of these events were in collaboration with the ISEP programme of the American Association of Physicists in Medicine (AAPM). These activities naturally led to the development of a Medical Physics Dictionary, which is currently translated into 29 languages. The next development, answering the need of quick access to new information in our dynamic profession, was the Medical Physics e-Encyclopaedia. This unique searchable e-material is linked with the Dictionary and is currently used by more than 4000 colleagues per month through the web portal www.emitel2.eu.

e-Learning is now adopted at all levels in the profession and supports many new educational courses. This is one of the reasons for double growth of the profession in the past two decades - about 4000 new medical physicists per decade - compared with about 2000 new specialists growth during the previous three decades (1965-1995).

On this background it was natural that IOMP, IFMBE and IUPESM succeeded to negotiate with the International Labour Organisation (ILO, Geneva) the occupations of medical physicists and biomedical engineers to be explicitly included in the International Standard Classification of Occupations (ISCO-08). Medical physicists were listed under number 2111; biomedical engineers listed under number 2149 (published in 2012). Related to this was also the introduction of the International Day of Medical Physics (IDMP, 7 November - the birthday of Maria Sklodowska Curie), which is now celebrated by all our members all over the world.

Having seen the rapid progress of Medical Physics as a profession, we could ask ourselves - what could be expected in the next two decades? My view is that surely the growth will continue. There is nothing more precious than health and our profession, dealing with some of the most sophisticated equipment of our time (both in diagnostics and therapy), will be needed more and more. Again the main focus will be in research and clinical application, but teaching underpins both. Its beneficiaries should be not only our colleagues, but also our fellow physicians, who have to constantly adapt their knowledge to the latest healthcare technology.

Another very important focus is to increase the visibility of our profession at all levels - institutional, local and national - this is exactly the purpose of the International Day of Medical Physics, and here I am using this opportunity to congratulate sincerely all colleagues in connection with our Professional Day.

Status of Medical Physics in Nepal.

Pradumna Prasad Chaurasia

NAMP president, Assistant chief medical physicist/RSO, Assistant Prof. Medical Physics (MDRT), NAMS
Dept. of radiation Oncology, B.P.K.M. Cancer hospital, Bharatpur, Nepal, pradumnachaurasia@gmail.com

The need for a medical physicist post in Nepal was first identified when a decision was made to start a radiotherapy service in 1990 at the Bir Hospital Kathmandu. Nepal started using ionizing radiation for cancer treatment in 1991 with the installation of the first telecobalt machine. Still personnel monitoring with TLD badges is done from BARC, India. Once in three years radiotherapy chambers are calibrated from BARC, Mumbai and we get Nd,w.

In 2014, about 4200 patients received radiotherapy in Nepal. According to the WHO-IARC Globocan, there is a need for 11,200 new patient treatments.

Now there are 8 medical physicists in hospitals and one in a diagnostic radiology teaching faculty. As yet, there are no female medical physicists in Nepal. Recently two M. Sc. medical physicists have returned back from Bangladesh and are searching job opportunity here.

The Nepalese Association of Medical Physicists (NAMP) was formally registered in 2009 to promote the medical physics profession. Nepalese medical physicists have participated in many colleges on medical physics organized by the Abdus Salam International Center of Theoretical Physics in Italy. It also associates with the Association of Medical Physics of India and the BMPS. NAMP successfully organized a Symposium on Medical Physics on the occasion of International Day of Medical Physics in 2013. NAMP was associated organizing ICMPROI from 20-22 August 2014 in Dhaka, Bangladesh with BMPS and AMPI.

There is a trend to appoint MSc physics or medical physics graduates and train them to be medical physicists. It is high time to start a formal postgraduate medical physics course or accredited residency in Nepal to meet the national demand. Professional recognition and accreditation is essential.

Justification of the uses of ionizing radiation in human health, abreast with new advanced technologies in therapeutic and diagnostic imaging clinical application are challenging in Nepal. Only doing clinical routine medical physics work will not be enough, and research and education is also important.

The IOMP accepted the application of P. P. Chaurasia to represent Nepal in IOMP functions in 1998. Nepal became a member of the IAEA in 2008, but still there is no regulatory body in Nepal. Self-regulation based on best practices developed internally is the key to successful integration of technology by ensuring highest quality without compromising on safety. Radiology departments with techniques such as CT and MRI, nuclear medicine facilities and radiology teaching departments must appoint a medical physicist.

There are four radiotherapy centers with a total 3 Tele Cobalt machines, 3 linear accelerators and 4 high dose rate brachytherapy machines for treatment of 4000 patients

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only. BPKMCH treated 1940 patients in external beam radiotherapy with one cobalt and two linear accelerators in 2013. There is a simulator and Eclipse treatment planning system for three dimensional conformal planning and IMRT. External beam radiotherapy can be delivered by Cobalt units or linear accelerators collectively known as megavoltage machines. High income countries have 6 megavoltage machines per million population and we have 0.2 megavoltage machines per million population. Not a single linear accelerator machine was added since 2002 in Nepal from government so there is lack of required number of machine in Nepal. It is better to replace 20 year used old machines with new one. One new bunker for a clinical linear accelerator is built now in B.P.K. cancer hospital Bharatpur in 2015. Unfortunately professional training for radiation oncology medical physicists (ROM P) and radiation therapy technologists (RTTs) is not available in Nepal to lend support to any expansion in radiotherapy services in Nepal. Although well-trained radiation oncologists are essential, the major determinant of safe and accurate treatment depends on the RTTs and ROMPs. If the RTTs do not accurately position a patient each day during course of treatment and the ROMPs do not ensure the correct dose of radiation is given each day, then it does not matter how well (or badly) the radiation oncologists are trained.

Radiotherapy has the potential to greatly improve the outcomes of cancer patients. It needs to be applied efficiently and safely to achieve that benefit. Quality assurance protocols such as the IAEA inter center dosimetry project help to ensure that accurate doses are delivered. Programs are needed also to develop common evidence based protocols to standardize patients' treatment. Treatment protocols specific to local regions would give guidance on best practice and reduce wasteful variations. Improvements will come only with careful service planning, investment in staff, equipment and better access to information and education about cancer. Overall treatment time has been shown to impact on survival in in patients treated with radiation therapy for cervix cancer, head and neck cancer, and delay in starting radiation therapy worsens survival for glioblastoma. In cervix cancer the overall treatment time (from start of external beam radiation therapy to completion of brachytherapy) should be less than 56 days. Increasing the treatment time reduces the survival by 1 percent per extra day.

It is very difficult to know how to change this situation in a low income countries like Nepal. Without doubt, the shortages of radiotherapy service can be overcome by investment in staff, equipment and maintenance. Advocacy is essential for increasing radiotherapy facility in all region. Adequate access to radiotherapy is a crucial component of quality modern multidisciplinary cancer care. Public and private partnership is also essential in radiotherapy service. Two private cancer hospitals with radiotherapy facility will start soon in Nepal. With increase in number of radiotherapy centers medical physicist number will also increase and more improvement will be there. Still there is not any medical physics department in Nepal in any hospital.

Status of Medical Physics in Nepal.

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Meeting Report on IAEA RAS 6077

To Develop Guidelines for Assessment and Certification of Medical Physics Trainees,
Kathmandu, Nepal, 30 Nov - 3 Dec 2015

An IAEA technical expert mission to develop guidelines for assessment and certification of medical physics trainees in the RCA region was organized at the Top of the World. The experts taking part in this meeting were: Mr. Brendan Healy (IAEA), Dr. Kamila Afroj Quadir (Bangladesh), Dr. Supriyanto Ardjo Pawiro (Indonesia), Dr. Kwan Hoong Ng (Malaysia), Dr. Muhammad Basim Kakakhel (Pakistan) along with the local counterpart Dr. Kanchan Adhikari (Nepal). The meeting was also attended by local Nepalese physicists Mr. Shanta Lall Shrestha and Mr. Bidyapati Jha. This meeting is the third of an ongoing series of meetings on “Recommendations on accreditation and certification for medical physics education and clinical training in the RCA region”.



The experts deliberated on the criterion for entry into a clinical training program and recommended that the clinical training program to involve a modular/competency based structure from a nationally adopted Clinical Training Guide (CTG). Considerable time was spent in formulating the process of assessment that needed to be put in place for the certification of medical physicists. The national mechanisms needed, such as the establishment of an Accreditation and Certification Board (ACB), was also discussed.

The meeting was very fruitful being conducted in very pleasant cool weather with some social-cultural-gastronomic activities to strengthen friendship amongst the experts and the local colleagues.

The IAEA experts posing at Durbar Square: (from left) Brendan Healy, Kwan Hoong Ng, Kanchan Adhikari, Kamila Afroj Quadir, Supriyanto Ardjo Pawiro, and Muhammad Basim Kakakhel.

Prof Kwan-Hoong Ng, PhD, MIPEM, DABMP

Department of Biomedical Imaging & University of Malaya Research Imaging Centre
University of Malaya, Kuala Lumpur, Malaysia

Travel Grant Report on 15th Asia-Oceania Congress of Medical Physics (AOCMP)
Hasin Anupama Azhari
Founder President, Bangladesh Medical Physics Society (BMPS)
Chairman, Dept of Medical Physics and Biomedical Engineering (MPBME), Bangladesh
5-8 November 2015, Xian, China

15th AOCMP Congress Asia-Oceania Congress in Medical Physics was held in Xi'an, People's Republic of China, from 5 - 8 November 2015. It was my great pleasure for being one of the awardees and also convey my heartiest thanks to organizing committee for inviting me in the congress

The organizers had set the programme focused on research & re-cent advancement to cover the whole spectrum of medical physics: Therapy session (total 6), Imaging session (total 4), TG 100 Workshop, RTIS workshop, new technology/ radiobiology, gamma knife, Nuclear medicine session, Dosimetry and Radiation Protection.

On the first day, there was AFOMP council meeting. The members countries, AFOMP were present. The needs for development of MP are discussed according to the appeal of different societies. A new Executive Committee formed and on behalf of BMPS we are congratulating to the new one.

Being an academician it was very helpful for me to attend the conference. The knowledge gained from here is transferred to the students, faculty members. Not only knowledge also the management, set up, that means the whole procedure of conference organizational process has been discussed to future generations for make them interested in these meetings. My university (Gono University) is the pioneer to start medical Physics course in Bangladesh and we have now 250 students. After coming back from AOCMP congress I have arranged a seminar for all the students and share my experiences and make them interested for attend these meetings, scientific presentations, research etc.

There are some special programs other than presentations like IDMP celebration on 7th November. IMPCB symposium. All representatives from IOMP, AFOMP, EFOMP, AAPM had been elaborately and clearly defined the importance of this day. All the member countries organizations must celebrate this day for public awareness as well as for the future positive aspects for their country.

I also mentioned that, the selection of awardees for poster presentations were done from students. This was an encouragement for the future generations of MP for more interested towards research and scientific work.

In IMPCB symposium the member of the IMPCB showed the procedure of certification. As in many countries are need of this, I must say this round table discussion was extremely useful for us.

Lastly it was a great honour to me as well as for Bangladesh Medical Physics Society (BMPS). Young medical physicists will be encouraged for this type of support from AFOMP. I would like to express my sincere and outmost gratitude to the chairman of the award committee Dr. Kin-Yin Cheung for considering me for this travel award, special thanks to AFOMP President Prof Yimin Hu, AFOMP Secretary Prof. Howell Round and other members for their continuous support for BMPS.

Travel Grant Report on 15th Asia-Oceania Congress of Medical Physics (AOCMP)
Hasin Anupama Azhari
Founder President, Bangladesh Medical Physics Society (BMPS)
Chairman, Dept of Medical Physics and Biomedical Engineering (MPBME), Bangladesh
5-8 November 2015, Xian, China



"Humility is the foundation of all the other virtues..." St. Augustine.

Bangladesh Medical Physics Society

Safayet Zaman, Secretary
Bangladesh Medical Physics Society (BMPS)

Bangladesh Medical Physics Society (BMPS) is a scientific organization, founded in 1998. It is the core professional body of the medical physicists practicing in Bangladesh. Its objective is to promote medical physics education, training, scientific workshops, seminars and related activities in Bangladesh. It is also dedicated to facilitate research and development and take appropriate steps to establish academic programs for different institutions and communicate with other medical physics organizations outside the country. BMPS is dedicated to ensure accuracy, safety and quality in the use of radiation in medical procedures and for that it is trying to establish rules and regulations for the development of Qualified Medical Physicists (QMP). Currently BMPS is trying to negotiate with all concerned bodies to create medical physicist posts in government hospitals and institutions.

History of BMPS

In order to familiarize medical physics in Bangladesh, the Task Group 16 – Medical Physics in the Developing Countries of GerwaY Medical Physics Society (DGMP) and Physics Department of Bangladesh University of Engineering and Technology (BUET) jointly organized seminars and workshops each year between 1996 to 2000. In 2001 Gono Bishwabidyalay (University) opened the department of Medical Physics and Biomedical Engineering and started M.Sc. in medical physics & biomedical engineering for the first time in Bangladesh and in 2006 it started B.Sc. program.

BMPS has collaboration with German Academic Exchange Program (DAAD) through Gono University. Each year, through DAAD scholarships one PhD candidate and two medical physicists working in the field of medical physics are having training in Germany. Two M.Sc. students of Gono University are visiting Germany each year under the current co-operation.

The members of the BMPS are medical physicists and biomedical engineers working at different reputed hospitals and institutions, doctors, radiation oncologists, students and other professionals working in the field of medical physics and biomedical engineering.

Achievements of BMPS

Since its inception, BMPS organizes national, international conference, seminar, workshop each year. In the international conference held in 2011, 94 papers were presented and 200 delegates including thirty foreign cancer specialists from 11 countries (Bangladesh, China, UK, Germany, India, Indonesia, Lebanon, Japan, Ne-

Bangladesh Medical Physics Society

Safayet Zaman, Secretary
Bangladesh Medical Physics Society (BMPS)

In 2014 around 350 participants including 40 foreign cancer specialists (Bangladesh, China, UK, Germany, Italy, Mexico, Austria, Sweden, Australia, Canada, India, Sri Lanka, Indonesia, Lebanon, Japan, Nepal, Poland and Pakistan) joined the international conference that consisted 18 sessions.



Participants at the ACBMPs-2015

BMPS other Activities

e-Encyclopaedia of Medical Physics and Multilingual Dictionary Recruitment of Medical Physicist as permanent Post

Public Awareness in print and electronic media

e Newsletter: Voice of BMPS 7th November each year

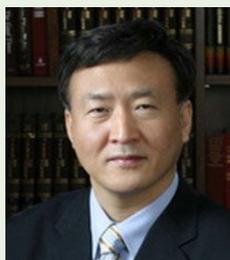
Member of different national and international organizations (BPS, AFOMP Scientific Committee etc)

Calendar of Events 2016

JAN 2016	<p>January 26 - 27, 2016 ICMPBB 2016 : 18th International Conference on Medical Physics, Biophysics and Biotechnology Jeddah, Saudi Arabia https://www.waset.org</p>
FEB 2016	<p>15 - 19 Feb 2016 ICTR-PHE: Int'l Conference on Translational Research in Radio-Oncology and Physics for Health - Geneva Geneva, Switzerland, https://ictr-phe16.web.cern.ch/</p> <p>20 - 24 Feb 2016 Int'l Conf. of Nuclear Sciences and Applications and the IRPA-Egypt Radiation Protection Workshop, Hurghada, Qesm Hurghada, Red Sea Governorate, Egypt</p> <p>Feb 22-23: Workshop on Medical Physics , Dhaka, Bangladesh, safayet3@gmail.com</p>
MAR 2016	<p>2 - 6 Mar 2016 European Congress of Radiology - Vienna Vienna, Austria, http://www.myesr.org/</p> <p>09-11 March, 2016 10th European Breast Cancer Conference, Amsterdam, The Netherlands</p> <p>18 - 21 Mar 2016 Mexican Symposium on Medical Physics - Mexico City Mexico City, Federal District, Mexico</p>
APR 2016	<p>2nd April 2016 Conference of Emerging Trends in Radiation Therapy Technology, Department of Radiological Physics, SMS Medical College, Jaipur, Mail:- icmprpr2k15@gmail.com</p> <p>April 18-19, 2016 4th International Conference on Blood Malignancies and Treatment, Dubai, UAE</p> <p>April 20 Seminar on Medical Physics Dhaka Bangladesh, safayet3@gmail.com</p> <p>29 April-03 May, 2016 ESTRO 35 <i>Turin, Italy</i>, http://www.estro.org/</p>
MAY 2016	<p>9 - 16 May 2016 Int'l Radiation Protection Association (IRPA) Congress - Cape Town Kaapstad, Foreshore, Cape Town, 8001, South Africa International Radiation Protection Association http://www.irpa2016capetown.org.za/</p>
JUNE 2016	<p>27 - 30 Jun 2016 18th Int'l Conference on the Use of Computers in Radiation Therapy - London, UK London, UK , http://www.iccr2016.org/</p> <p>27-29 June, 2016 6TH WORLD CONGRESS OF BRACHYTHERAPY <i>San Francisco, USA</i></p>

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President :- Dr. Tae-Suk Suh



Dept. of Biomedical Eng., College of Medicine,
The Catholic University of Korea,
505 Banpo-dong, Seocho-gu, Seoul, 137040, Korea
Telephone: +82-2-2258-7232
Fax: +82-2-2258-7506
E-mail : suhsanta@catholic.ac.kr

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Dr. Arun Chougule

Dean, Faculty of Paramedical Science,
Sr. Professor & Head, Department of Radiological Physics,
S.M.S. Medical College & Hospitals
Jaipur-302015, India
E-mail : arunchougule@rediffmail.com

Secretary General :- Dr Howell Round



Associate Professor, School of Engineering
University of Waikato, Private Bag 3105,
Hamilton 3240,
NEWZEALAND
Ph +64 7 838 4173, Mobile +64 210368549
Email h.round@waikato.ac.nz

AFOMP correspondence
should be addressed to:
Dr Howell Round
E-mail :-
h.round@waikato.ac.nz

AFOMP webmaster:

Sunmi Kim

E-mail :-

arcmpsmk@gmail.com

Past President :- Dr. Yimin Hu



(1) Chaoyang Qu Panjiayuan
Nanli No. 17,
Department of Radiation On-
cology,
Cancer Institute (Hospital),
Beijing 100021, China

(2) Cancer Research Institute (Tumor
Hospital),
Chinese Academy of Medical Sciences
&
Peking Union of Medical College,
Beijing, China
Email: yiminhu888@163.com

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59100 Kuala Lumpur
Malaysia
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Organised by
Department of Radiological Physics, SMS Medical College, Jaipur, India

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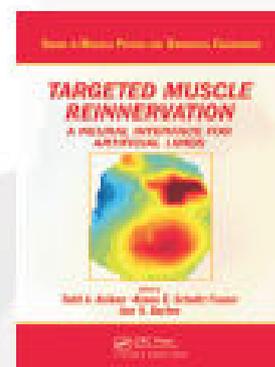
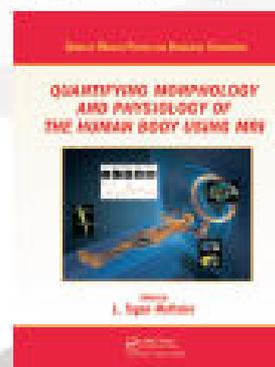
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