



## Programme in Details

### IOMP School

**Monday, June 04, 2018 08:00 – 09:00**

Club C

IOMP School - Session on IOMP Project “History of Medical Physics”  
Slavik Tabakov  
Magdalena Stoeva

#### **Presentation 1**

Presentation Title: Session on IOMP Project "History of Medical Physics"  
Speaker Name: Slavik Tabakov  
Speaker Affiliation: IOMP President

#### **Presentation 2**

Presentation Title:  
Speaker Name: Perry Sprawls  
Speaker Affiliation: Sprawls.org

#### **Presentation 3**

Presentation Title:  
Speaker Name: KY Cheung  
Speaker Affiliation: IOMP History Sub-Com Chair

**Monday, June 04, 2018 09:00 – 10:30**

Club B

IOMP School - IOMP-AAPM joint session 1  
John Damilakis  
Mahadevappa Mahesh

Club B

**Presentation 1**

Presentation Title: Doses and Risks

Speaker Name: John Damilakis

Speaker Affiliation: IOMP ETC Chair

**Presentation 2**

Presentation Title: Dose Optimization Strategies

Speaker Name: Mahadevappa Mahesh

**Presentation 3**

Presentation Title: Dose Management Systems

Speaker Name: Virginia Tsapaki

**Monday, June 04, 2018 09:00 – 10:30**

Club C

IOMP School - Dosimetric Challenges of Photon Brachytherapy in Terms of Absorbed Dose to Water

Golam Abu Zakaria

**Dosimetric Challenges of Photon Brachytherapy in Terms of Absorbed Dose to Water**

Golam Abu Zakaria

**Tuesday, June 05, 2018 08:00 – 09:15**

Club C

IOMP SCHOOL - Radiation Safety Culture in Healthcare (Joint session of IOMP-WHO-IAEA-IRPA)

Madan Rehani

Maria Perez

**Presentation 1**

Presentation Title: Overview of Radiation Safety Culture in Healthcare

Speaker Name: Madan Rehani

Speaker Affiliation: Massachusetts General Hospital, Harvard Medical School and IOMP

**Presentation 2**

Presentation Title: IRPA Actions on Radiation Safety Culture

Speaker Name: Bernard Le Guen

Speaker Affiliation: IRPA Executive Office, Paris, France

**Presentation 3**

Presentation Title: Conclusions of 5 joint workshops held in different region regions

Speaker Name: Maria Perez

Speaker Affiliation: WHO, Geneva

**Presentation 4**

Presentation Title: IAEA's Actions on Radiation Safety Culture

Club C

Speaker Name: Debbie Gilley

Speaker Affiliation: IAEA, Vienna

## **Tuesday, June 05, 2018 09:00 – 10:30**

Club A

IOMP School - IOMP-AAPM joint session 2

Cynthia McCollough

Mahadevappa Mahesh

### **Presentation 1**

Presentation Title: Breast Tomosynthesis

Speaker Name: Ioannis Sechopoulos

Speaker Affiliation: IOMP

### **Presentation 2**

Presentation Title: PET-CT or PET-MR

Speaker Name: Habib Zaidi

Speaker Affiliation: Habib Zaidi

### **Presentation 3**

Presentation Title: Spectral CT

Speaker Name: Cynthia McCollough

Speaker Affiliation: AAPM

### **Presentation 4**

Presentation Title: Flat Panel Detector Fluoroscopy

Speaker Name: Mahadevappa Mahesh

Speaker Affiliation: AAPM

## **Tuesday, June 05, 2018 09:00 – 10:30**

Terrace 2B

IOMP SCHOOL - New aspects of medical physics in radiation oncology and imaging

Golam Abu Zakaria

### **New aspects of medical physics in radiation oncology and imaging**

Golam Abu Zakaria

## **Tuesday, June 05, 2018 09:30 – 10:30**

Club C

IOMP SCHOOL - Quality control for CBCT devices according to EFOMP-ESTRO-IAEA

Hugo de las Heras Gala

Club C

**Presentation 1**

Measuring objective image quality parameters in CBCT

Hugo de las Heras Gala

**Presentation 2**

Measuring radiation output in CBCT

Jonas Andersson

**Presentation 3**

Practical application to three devices (dental, C-arm and linac)

Hugo de las Heras Gala

**Tuesday, June 05, 2018 14:00 – 15:30**

Terrace 2A

IOMP School - Teaching of Medical Physics to Radiology Residents

Madan Rehani

Carmel J Caruana

**Presentation 1**

Presentation Title: Survey of situation in 67 countries and way forward

Speaker Name: Madan M Rehani

Speaker Affiliation: Massachusetts General Hospital, Harvard Medical School

**Presentation 2**

Presentation Title: European situation and suggested solutions

Speaker Name: Carmel J Caruana

Speaker Affiliation: Malta

**Presentation 3**

Presentation Title: Asian situation, suggested solutions and what to teach

Speaker Name: Kwan Hoong Ng

Speaker Affiliation: University of Malaya, Kuala Lumpur, Malaysia

**Wednesday, June 06, 2018 08:00 – 10:30**

Club C

IOMP SCHOOL - IOMP/IUPAP Workshop on Medical Physics Partnering with the Developing World

Slavik Tabakov

Fridtjof Nuesslin

- **Aims of the Workshop** – Dr Yakov Pipman (IOMP PRC Chair)
- **Challenges to the profession** – Prof. Slavik Tabakov (President IOMP 2015-2018)
- **Status of Medical Physics and Activities to Boost the Professional Development in the AFOMP Region** – Prof. Arun Chougule (India, Vice-President AFOMP)
- **Status of Medical Physics and Activities to Boost the Professional Development in the SEAFOMP Region** – Prof. Anchali Krisanachinda (Thailand, Past-President SEAFOMP)

#### Club C

- **Status of Medical Physics and Activities to Boost the Professional Development in the MEFOMP Region** – Mr Nabil Iqeilan (Jordan, Chair ETC of MEFOMP)
- **Status of Medical Physics and Activities to Boost the Professional Development in the EFOMP Region** – Dr Hrvoje Hrsak (Croatia, nominated by EFOMP President)
- **Status of Medical Physics and Activities to Boost the Professional Development in the FAMPO Region** – Dr Taofeeq Ige (Nigeria, President FAMPO)
- **Status of Medical Physics and Activities to Boost the Professional Development in the ALFIM Region** – Dr Rodolfo Alfonso (Cuba, President ALFIM)
- **IAEA activities towards Capacity Building in LMI countries** – Dr Harry Delis
- **Open discussion and Way Forward**

### **Wednesday, June 06, 2018 09:00 – 10:00**

#### Club B

IOMP SCHOOL - IOMP-ISR Session on Diagnostic Reference Levels – New Trends in Concepts and Methodology

John Damilakis

Guy Frija

#### **Presentation 1**

Presentation Title: An Introduction by the International Society of Radiology (global perspective)

Speaker Name: Guy Frija

Speaker Affiliation: ISRQSA Co-Chair

#### **Presentation 2**

Presentation Title: Clinical DRLs for adults: A novel approach

Speaker Name: Guy Frija

Speaker Affiliation: ISRQSA Co-chair

#### **Presentation 3**

Presentation Title: DRLs for paediatric patients: An overview

Speaker Name: K. Applegate

#### **Presentation 4**

Presentation Title: EUCLID – A European Commission funded European Study on Clinical DRLs for X-ray

Speaker Name: J. Damilakis

Speaker Affiliation: IOMP ETC

### **Wednesday, June 06, 2018 09:15 – 10:15**

#### Club D

IOMP SCHOOL - Radiobiological optimization of treatment plans

Colin Orton

#### **MRI-Guided Radiation Therapy**

Colin Orton

**Thursday, June 07, 2018 08:00 – 09:00**

Club B

IOMP SCHOOL - e-Learning experience: Building educational modules in Medical Physics and Engineering with Moodle VLE

Vassilka Tabakova

**Presentation Title: e-Learning experience: Building educational modules in Medical Physics and Engineering with Moodle VLE**

Speaker Name: Dr Vassilka Tabakova

Speaker Affiliation: King's College London

**Thursday, June 07, 2018 08:00 – 09:00**

Club C

IOMP SCHOOL - Session on Medical Physics e-Encyclopaedia and Dictionary Update

Slavik Tabakov

Magdalena Stoeva

Franco Milano

Perry Sprawls

Sameer Tipnis

**Presentation 1**

Presentation Title: Medical Physics e-Encyclopaedia and Dictionary Update

Speaker Name: Slavik Tabakov

Speaker Affiliation: IOMP President

**Presentation 2**

Presentation Title:

Speaker Name: Perry Sprawls

Speaker Affiliation: Sprawls.org

**Presentation 3**

Presentation Title:

Speaker Name: Franco Milano

Speaker Affiliation: Italy

**Presentation 4**

Presentation Title:

Speaker Name: Magdalena Stoeva

Speaker Affiliation: IOMP MPWB Chair

**Presentation 5**

Presentation Title:

Speaker Name: Sameer Tipnis (USA) & Tracy Underwood (UK)

Speaker Affiliation:

**Thursday, June 07, 2018 08:00 – 09:00**

Terrace 2B

IOMP SCHOOL - Partnering with developing neighbours, medical physics volunteering in SE Asia

Eva Bezak

Anna Ralston

Arun Chougule

**Partnering with developing neighbours, medical physics volunteering in SE Asia**

Nikki Shelton

**Discussion**

Eva Bezak

**Thursday, June 07, 2018 08:00 – 09:30**

South Hall 2B

IOMP SCHOOL - IOMP-UNSCEAR Workshop on Data Collection “Improved global information on medical exposures and occupational exposures in medicine”

Geoffrey Ibbott

Ferid Shannoun

**08:00 – 08:05**

Opening and Introduction (Geoffrey Ibbott, IOMP)

**08:10 – 08:20**

UNSCEAR’s Global exposure survey – including practical demonstration of the online data collection platform (Ferid Shannoun, UNSCEAR)

**08:20 – 08:30**

Information on exposures in radiotherapy and access to treatment services (Geoffrey Ibbott, IOMP)

**08:30 – 08:40**

A global commitment to improve data collection on radiation exposure: WHO’s views (Maria Perez, WHO)

**08:40 – 08:50**

IAEA’s information resources on radiological practice (Jenia Vassileva, IAEA)

**08:50 – 09:00**

Q&A (all)

**09:00 – 09:05**

Summary and closing remarks (Ferid Shannoun, UNSCEAR)

**Thursday, June 07, 2018 09:00 – 10:30**

Club B

IOMP SCHOOL - Exercises in strategic medical physics leadership - case studies from the trenches

Club B  
Carmel J. Caruana

**Exercises in strategic medical physics leadership - case studies from the trenches**  
Carmel J. Caruana

**Thursday, June 07, 2018 16:00 – 17:30**

Terrace 2B  
IOMP SCHOOL - The troubling shortage of medical physicists: causes, consequences, solutions  
Madan Rehani  
Harry Delis

**Presentation 1**

Presentation Title: How IAEA supports efforts to increase the number of qualified medical physicists worldwide  
Speaker Name: Harry Delis  
Speaker Affiliation: IAEA

**Presentation 2**

Presentation Title: Perspectives on professional issues and suggested solutions  
Speaker Name: Yakov Pipman  
Speaker Affiliation: Retired, New York & Chair PRC, IOMP

**Presentation 3**

Presentation Title: Assessment of the global situation and way forward  
Speaker Name: Madan M. Rehani  
Speaker Affiliation: MGH, Harvard and IOMP

**Friday, June 08, 2018 08:00 – 09:00**

Club C  
IOMP SCHOOL - MRI-Guided Radiation Therapy  
Geoffrey Ibbott

**MRI-Guided Radiation Therapy**  
Geoffrey S. Ibbott

**Friday, June 08, 2018 08:00 – 09:00**

Terrace 2A  
IOMP SCHOOL - Meet the Editors  
Magdalena Stoeva  
Tae Suk Suh  
Paolo Russo



Terrace 2A

**Presentation 1:**

IOMP Publications Committee

Paolo Russo

**Presentation 2:**

IOMP Medical Physics International Journal

Slavik Tabakov

**Presentation 3:**

Magdalena Stoeva

IOMP Medical Physics World

**Presentation 4:**

CRC Press Representative

CRC Press publications activities in the field of medical physics