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

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**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

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**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
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 09:30 – 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 Anderssson

**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, Kualalumpur, 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:
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
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