

**International Conference on Medical Physics 2016, Bangkok, Thailand**  
**IOMP School Mini-Symposia Program, 9-12 December 2016**

<b>Saturday 10 December 2016 – IOMP School Mini-Symposia</b>					
Time	Mini-symposium (Room: Ballroom 1)	Mini-symposium (Room: Ballroom 2)	Mini-symposium (Room: The study)	Mini-symposium (Room: Garden gallery)	Mini-symposium (Room: Valley)
08.00-09.00	<b>IOMP Grand Lecture</b> Pioneering, development and future of e-Learning in Medical Physics Invited Speaker: S Tabakov Chair/co-chair: KY Cheung				
09.00-09.45	<b>AFOMP Grand Lecture</b> Medical physics aspects of proton therapy Speaker: T Toshito (AFOMP/JSMP) Chair/co-chair: S Fukuda, TS Suh		<b>IOMP School: MDCT:                      Physics, dosimetry and                      radiation protection</b> Speakers: KH Ng, K Matsubara, J Damilakis Chair/co-chair: S Tabakov	The new era of medical physics in Asia Speaker: K Doi (JSRT) (09.00-10.00) Chair/co-chair: J Shiratori, R Tanaka	Comprehensive audits in radiotherapy, diagnostic and interventional radiology, nuclear medicine Speakers: A Meghzifene (IAEA), A Krisanachinda Chair/co-chair: A Meghzifene
09.45-10.30	<b>John Cameron Memorial Lecture (SEAFOMP)</b> Advances in image guided radiation therapy Speaker: GS Ibbott (MD Anderson) Chair/co-chair: KH Ng, JCL Lee			Novel retrieval technologies for similar images and personal identification in computer-aided diagnosis and radiation therapy Speakers: H Arimura, C Muramatsu, H Fujita, YW Chen, K Wakasugi, A Katsumata, T Aoki (JSRT) (10.00-12.00) Chair/co-chair: H Arimura, H Fujita	Radiation protection in dental radiography Speakers: J Vassileva, R Pauwels, V Tsapaki (IAEA/IOMP) Chair/co-chair: J Vassileva
10.30-11.00	Coffee break				
11.00-12.00	Current trends of medical physics in radiotherapy and imaging Speaker: GA Zakaria (U. of Cologne) Chair/co-chair: GA Zakaria	The evolving posture of MP as a profession: medical physics 3.0 Speaker: E Samei (Duke U.) Chair/co-chair: E Samei	New horizon of medical physics and synergetic effect with medical engineering and information science Speaker: K Inamura Chair/co-chair: K Inamura	Eye lens dosimetry and study on radiation cataract with interventional cardiologists Speakers: K Matsubara, S Srimahashota, A Krisanachinda Chair/co-chair: MM Rehani	

**Sunday 11 December 2016 – IOMP School Mini-Symposia**

Time	Mini-symposium (Room: Ballroom 1)	Mini-symposium (Room: Ballroom 2)	Mini-symposium (Room: The study)	Mini-symposium (Room: Garden gallery)	Mini-symposium (Room: Valley)
08.00-09.00	Dosimetry of small static photon fields: challenges and solutions Speakers: MS Huq, S Suriyapee <b>Chair/co-chair: MS Huq</b>	Digital radiography detectors: overview and acceptance testing/quality control update  Implementation of the IEC 62494-1 exposure index standard Speaker: JA Seibert (UC Davis) <b>Chair/co-chair: JA Seibert</b>	Medical physics training and education collaboration among both regional organizations Speakers: H Round, I Duhaini, LA Balooshi, HMA Naomi <b>Chair/co-chair: A Krisanachinda, HMA Naomi</b>	Women in medical physics: education and profession Speakers: GM Martín, HA Azhari, M Stoeva (08.00-09.15) <b>Chair/co-chair: V Tsapaki</b>	IAEA/RCA project, RAS6077, "Strengthening the effectiveness and extent of MP education and training Speaker: A Meghzifene <b>Chair/co-chair: S Fukuda, B Healy</b>
09.00-09.45	Recent developments in dosimetry, treatment planning and quality assurance for intensity modulated proton therapy Speaker: N Sahoo (MD Anderson) <b>Chair/co-chair: N Sahoo, W Liu</b>	Precision medicine through dose optimization and monitoring of medical imaging Speaker: E Samei (Duke U.) <b>Chair/co-chair: E Samei</b>	<b>IOMP School: Dose tracking and quality assurance</b> Speakers: M Rehani, N Fitousi, V Tsapaki (IOMP) <b>Chair/co-chair: J Damilakis</b>	Participation of women in medical physics scientific events Speakers: SK Renha, V Tsapaki, P Platoni, A Peralta, GM Martín (09.15-10.30) <b>Chair/co-chair: M Stoeva</b>	Workshop building professional capacities in developing countries Speakers: S Tabakov, Y Pipman, SD Sharma, A Krisanachinda, KY Cheung, SA Pawiro, KH Ng, T Ige, I Esteves (IUPAP) <b>Chair/co-chair: S Tabakov</b>
09.45-10.30	Robust optimization and robustness quantification in intensity modulated proton therapy Speaker: W Liu (Mayo Clinic) <b>Chair/co-chair: N Sahoo, W Liu</b>	Radiation dose metrics and dose monitoring for medical imaging procedures Speaker: JA Seibert (UC Davis) <b>Chair/co-chair: JA Seibert</b>			
10.30-11.00	Coffee break				
11.00-12.00	Stereotactic body radiation therapy: technical challenges and clinical aspects Speakers: MS Huq, D Kannarunimit, S Oonsiri <b>Chair/co-chair: MS Huq</b>	Dosimetry in radiopharmaceutical therapy treatment planning Speaker: G Sgouros (Johns Hopkins U.) <b>Chair/co-chair: G Sgouros</b>	ASEAN College of Medical Physics: Workshop on digital radiography Speakers: KH Ng, N Jamal, CH Yeong <b>Chair/co-chair: KH Ng</b>	European initiatives on medical radiation protection Speakers: J Damilakis, V Tsapaki, E Lief (EFOMP) <b>Chair/co-chair: J Damilakis, V Tsapaki</b>	

**Monday 12 December 2016 – IOMP School Mini-Symposia**

Time	Mini-symposium (Room: Ballroom 1)	Mini-symposium (Room: Ballroom 2)	Mini-symposium (Room: The study)	Mini-symposium (Room: Garden gallery)	Mini-symposium (Room: Valley)
08.00-09.00	Fetal dose in radiotherapy – managing the physics aspects Speaker: JCL Lee <b>Chair/co-chair: JCL Lee</b>	New approaches to quality management in radiation therapy Speakers: MS Huq, P Tangboonduangjit, T Sanghangthum <b>Chair/co-chair: MS Huq</b>	Experience-based lecture on ROC observer studies in diagnostic medical physics Speakers: J Shiraishi, R Tanaka (JSRT) <b>Chair/co-chair: J Shiratori, R Tanaka</b>	Radiobiophotonics in cancer therapy (30 min)  Normal tissue protection in disease and disaster (30 min) Speaker: R Papineni (KUMC) <b>Chair/co-chair: R Papineni</b>	Practical application of moodle for e-learning courses in MP Speaker: V Tabakova (King's College) (08.00-10.00) <b>Chair/co-chair: V Tabakova</b>
09.00-10.30	Three-dimensional (3D) dosimetry Speaker: GS Ibbott (MD Anderson) (09.00-10.00) <b>Chair/co-chair: GS Ibbott</b>	Latest MDCT technologies in Japan Speakers: K Tsujioka, K Ichikawa (JSRT) <b>Chair/co-chair: K Tsujioka, K Matsubara</b>	<b>IOMP School: Safety in MRI</b> Speaker: S Keevil (IOMP) <b>Chair/co-chair: S Keevil</b>	Current status of mammography in Asia Speakers: T Endo, H Nishide, P Hansakul, A Krisanachinda <b>Chair/co-chair: Y Kodera</b>	
10.30-11.00	<b>Coffee break</b>				
11.00-12.00	The role of medical physicist in clinical trials Speaker: T Kron <b>Chair/co-chair: T Kron</b>	Dosimetry in terms of absorbed dose to water in photon brachytherapy Speaker: GA Zakaria (U. of Cologne) <b>Chair/co-chair: GA Zakaria</b>	Radio-adaptive response — more than tumor resistant (30 min) Speaker: D Nantajit  Tumor microenvironment: challenges and perspectives (30 min) Speaker: T Tippayamontri <b>Chair/co-chair: D Nantajit, T Tippayamontri</b>		