

Friday February 1st 2019

Big Room

8:00-9:00	REGISTRATION AND COFFEE	
9:00-10:30	SESSION 1	
9:00-9:30	Invited speaker: QA for Deformable Registration	Charlotte Brouwer
9:30-9:45	Dosimetric influence of HU threshold level for external contour generation for H&N treatment planning	Akos Gulyban
9:45-10:00	Systematic Monte Carlo dose verification of VMAT treatment plans for TrueBeam linac using PRIMO	Alain Souttiaux
10:00-10:15	BELdART: Results of 2 years of external audits for basic and complex dosimetry for photon beams	Burak Yalvac
10:15-10:30	BELdART-SBRT a national mailed audit program for SBRT	Lisa Dhamers
10:30-11:00	COFFEE BREAK (EXHIBITION HALL)	
11:00-12:30	SESSION 2	
11:00-11:15	A rotating phantom for investigating motion artefacts in 4D-CT applications	Benyameen Keelson
11:15-11:30	Validation of the Electron Monte Carlo Code of Raystation for heterogeneous media	Geert Pittomvils
11:30-11:45	Optimizing CT acquisition parameters for the quantification of lung emphysema	Gert Van Gompel
11:45-12:00	Sequentially- versus co-optimized plans for pelvis and prostate bed: time efficacy and plan quality	Akos Gulyban
12:00-12:15	Correlation between routine personal dosimetry and the dose to the brain of interventional cardiologists	Jelle Smeulders
12:15-12:30	Machine learning for automated delineation quality assurance in radiation therapy	Eliott Ramoisiaux
12:30-14:00	LUNCH BREAK (EXHIBITION HALL)	
14:00-15:00	SESSION 3	
14:00-14:30	Invited speaker: Breast imaging in times of deep learning and AI	Nico Karssemeijer
14:30-14:45	Feasibility of differential phase imaging in mammography: a simulation study	Karen Merken
14:45-15:00	Creation of a set of computational phantoms for clinical task-based optimization studies in chest radiography	Sunay Rodriguez
15:00-15:30	COFFEE BREAK (EXHIBITION HALL)	
15:30-16:30	PROFESSIONAL MATTERS	
16:30-18:00	GENERAL ASSEMBLY	
18:30-19:30	SOCIAL EVENT	
20:00-22:00	DINNER	
22:00-24:00	SOCIAL MINGLE	

Friday February 1st 2019

Small Room

8:00-9:00	REGISTRATION	
9:00-10:30	QUALITY MANAGERS SESSION 1	
9:00-9:30	Invited speaker: PROMS in (radiation) Oncology	Eva Oldenburger
10:30-11:00	COFFEE BREAK (EXHIBITION HALL)	
11:00-12:30	QUALITY MANAGERS SESSION 2	
12:30-14:00	LUNCH BREAK (EXHIBITION HALL)	
14:00-15:00	ABR-BVS Session 1 (Radiation Protection)	
15:00-15:30	COFFEE BREAK (EXHIBITION HALL)	
15:30-17:00	ABR-BVS Session 2 (Radiation Protection)	

Saturday February 2nd 2019

Big Room

8:00-9:00	REGISTRATION AND COFFEE	
9:00-10:30	SESSION 4	
9:00-9:30	Invited speaker: Controversies in adaptive radiotherapy	Vincent Grégoire
9:30-10:00	Invited speaker: Cone-Beam-CT Challenges	Danny Schuring
10:00-10:30	Invited speaker: PROCALU project	Florian Charlier
10:30-11:00	COFFEE BREAK (EXHIBITION HALL)	
11:00-12:30	SESSION 6: YOUNG PHYSICIST SESSION	
11:00-11:15	Benefits of deep learning for delineation of organs at risk in head and neck cancer	Van der Veen J and Willems S
11:15-11:30	The impact of contrast agent on absorbed dose in contrast-enhanced CT	Mahta Mazloumi
11:30-11:45	A 2D reusable OSL-film for class solution specific QA of large modulated fields in the PART trial	Robin De Roover
11:45-12:00	Feasibility of single-camera intra-bore surface scanning in an O-ring linac	Laurence Delombaerde
12:00-12:15	Accuracy testing of a partial breast imaging simulation framework for virtual clinical trial applications	Liesbeth Vancoillie
12:15-12:30	Fast robust optimization using a patient-specific scenario selection methodology	Greg Buti
12:30-14:00	LUNCH BREAK (EXHIBITION HALL)	
14:00-15:15	SESSION 8	
14:00-14:30	Invited speaker: PET in Radiotherapy	Ursula Nesle
14:30-15:00	Invited speaker: MR imaging in Radiotherapy	Jeroen Van de Kamer
15:00-15:15	Feasibility of realistic Digitally Reconstructed Radiograph rendering through shallow learning	Jennifer Dhont
15:15-15:30	Closing and Award Session	

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8:00-9:00	REGISTRATION AND COFFEE	
9:00-10:30	SESSION 5	
9:00-9:30	Invited speaker: Doses in nuclear medicine and radiotherapy	Lidia Strigari
9:30-10:00	Invited speaker: Radiomics	Philippe Lambin
10:00-10:15	Characterisation of patient skin dose in CT imaging	Margo Cabuy
10:15-10:30	Snapshot of chest radiography in Flanders: Any link between physical and clinical image quality?	Sunay Rodriguez
10:30-11:00	COFFEE BREAK (EXHIBITION HALL)	
11:00-12:30	SESSION 7	
11:00-11:15	Hadron therapy microdosimetry at the Belgian Nuclear Research Centre SCK•CEN	Alessio Parisi
11:15-11:30	Focal boost dose escalated prostate SBRT on the Halcyon fast-rotating O-ring linac	Robin De Roover
11:30-11:45	Mitigating inherent noise in Monte-Carlo dose distributions using UNet	Javaid Umair
11:45-12:00	Implementation of an in-house solution for motion management-based treatment planning	David Dechambre
12:00-12:15	Comparison of small field dosimetry based on a point and dose-area product formalism	Alexandro Fulco
12:15-12:30	QA/QC in radiotherapy using 2D films based on Radiophotoluminescence imaging and its potential in charged particle beams	Marijke De Saint-Hubert
12:30-14:00	LUNCH BREAK (EXHIBITION HALL)	
14:00-15:15	SESSION 9	
14:00-14:30	Invited speaker: Standards of proton therapy treatment planning in ParTICLE	Edmond Sterpin
14:30-14:45	A fully automated method for Monte Carlo commissioning in PBS proton therapy	Marie Cohilis
14:45-15:00	A variance reduction method to speed-up robustness evaluation in proton therapy	Kevin Souris
15:00-15:15	Isovolume dose restoration	Elena Borderias