PRELIMINARY PROGRAM

Tuesday, April 15

7:30 AM	**Breakfast**

Embracing Motion: Recent Innovations in 4D MRI

8:30 AM

- Martin Fast, PhD, *University Medical Center Utrecht, Utrecht, The Netherlands*
- Chiara Paganelli, PhD, *Polytechnic University of Milan, Milan, Italy*
- Jing Cai, PhD, *The Hong Kong Polytechnic University, Hong Kong, China*

Proffered Papers 3 - MRI-Based Motion Management and Assessment

9:30 AM

Time	Title	Speaker
9:30 AM	Optimizing Motion Management in Spine SBRT on the MR-Linac: Enhancing Delivery Efficiency with Real-Time Cine Imaging and Baseline Shift Corrections	Eun Young Han
9:40 AM	Characterization of a Cartesian Self-Gated 4D-MR Imaging Sequence for SBRT	Stefan Dorsch
9:50 AM	Longitudinal Acceleration of Time-Resolved 4D MRI Exploiting Multi-Fraction Temporal Correlations	Jingjia Chen
10:00 AM	Optimizing gated MR-linac treatments using 4D-MRI for motion-compensated daily imaging	Katrinus Keijnemans
10:10 AM	Characterizing contractile motion along the stomach medial axis from dynamic MRI	Robert Jones

Time			
10:20 AM	Combination of Pseudo-Golden-Angle Radial Acquisition and Deep Learning Reconstruction for Motion-Resolved 4D MRI on a 1.5T MR-Linac		Can Wu

10:30 AM   **Break**

Proffered Papers 4 - Quantitative MRI I

11:00 AM

Time	Title	Speaker
11:00 AM	A multi-centre investigation of longitudinal changes in the apparent diffusion coefficient during short-course radiotherapy for patients with rectal cancer	Anne Bisgaard
11:10 AM	MR Multitasking-driven Abdominal Integrated Imaging (MT-AI2)	Junzhou Chen
11:20 AM	Evaluation of a Novel Quantitative Multiparametric MR Sequence for Radiation Therapy Treatment Response Assessment	Yuhao Yan
11:30 AM	Longitudinal ADC changes in the prostate and dominant lesion during hypo-fractionated SBRT on a 1.5 T MR linac: correlation with PSA response	Sarah Morris
11:40 AM	Multi-Center Diffusion-Weighted MRI Validation for 0.35T MR-Linac	Siamak Nejad-Davarani
11:50 AM	Quantitative modelling of oxygen delivery in patients with head and neck cancer using oxygen-enhanced MRI	Michael Dubec

12:00 PM   **Lunch**

1:00 PM

Advancements in Imaging Sequences for MRgRT: New Techniques and Applications

- Zhaoyang Fan, PhD, *University of Southern California, Los Angeles, CA, United States*
- Marielle Philippens, PhD, *University Medical Center Utrecht, Utrecht, The Netherlands*
- Yong Chen, PhD, *Case Western Reserve University, Cleveland, OH, United States*

2:00 PM

Proffered Papers 5 - Advanced and Specific Topics I

Time	Title	Speaker
2:00 PM	C-SegDeform: a novel alternative to image registration in MR-guided adaptive radiotherapy of pancreatic cancer	Mehdi Shojaei
2:10 PM	Need for Speed: Timegain of AI-based delineations for MR-guided online adaptive radiotherapy of prostate cancer	Maximilian Konrad
2:20 PM	Accelerate Diffusion-Weighted MRI with Extended b-values via Implicit Neural Representation Learning	Lianli Liu
2:30 PM	A software framework for automated commissioning of AI Segmentation models for radiation therapy workflows	Nico Cote
2:40 PM	The impact of deep learning organ delineation uncertainty for prostate cancer radiotherapy	Christian Jamtheim Gustafsson
2:50 PM	Radiomics Approaches for Survival Prediction and Risk Stratification in Glioma Using MRI	Walid Dandachly

3:00 PM	**Break**
3:30 PM	**Dose Accumulation and Re-Irradiation: Tools, Guidelines, and Implementation** ● Lando Bosma, PhD, *University Medical Center Utrecht, Utrecht, the Netherlands*
5:00 PM	**Industry Development Update**
6:30 PM	**Poster Presentation and Reception**