Physics

Physics-I *Machine Learning in MRI: design, acquisition, and analysis*
(3 speakers, 90 min)

Physics-II *Chemical Exchange Saturation Transfer: signal origin, animal model, and human applications*
(3 speakers, 90 min)

Physics-III *Diffusion MRI: from basic principles to advanced applications*
(3 speakers, 90 min)

Physics-IV *Quantitative MRI: from parametric mapping to multi-parametric application*
(2 speakers, 60 min)

Physics-V *Novel MRI modalities*
(2 speakers, 60 min)

Hsiao-Wen Chung, PhD
鍾孝文 教授

Time Table

Saturday, May 21, 2022
Room 203

Time	Topics	Speakers	Moderators
08:30-09:00 (30mins) (Korea time 09:30-10:00)	Deep Reinforcement Learning-designed Radiofrequency Waveform in MRI	Jongho Lee	Teng-Yi Huang Ming-Long Wu
09:00-09:30 (30mins) (China time 09:00-09:30)	Acceleration of Dynamic MRI in the Lung and Abdomen in Free-breathing Empowered by Machine Learning	Yiping Du	Teng-Yi Huang Ming-Long Wu
09:30-10:00 (30mins)	CNN-based Lesion Delineation of Vestibular Schwannoma and Meningioma for Gamma Knife Radiosurgery using Stereotactic Magnetic Resonance Images	Yu-Te Wu	Teng-Yi Huang Ming-Long Wu