

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)



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Time Table

Saturday, May 21, 2022
Room 205

Time	Topics	Speakers	Moderators
13:30-14:00 (30mins)	Cholesterol-weighted imaging based on chemical exchange saturation transfer signal at -1.6ppm	Eugene C. Lin	Gigin Lin Shang-Yueh Tsai
14:00-14:30 (30mins)	Using NMR & MRI to Trace Glucose Metabolism of Brain Tumor in Mice	Dennis W. Hwang	Gigin Lin Shang-Yueh Tsai
14:30-15:00 (30mins) (China time 14:30-15:00)	Downfield rNOE suppressed amide proton CEST imaging from 7T to 3T	Yi-Cheng Hsu	Gigin Lin Shang-Yueh Tsai