



Advanced Medical Physics for Image-Guided Cancer Therapy
Virtual Annual Retreat 2021

November 25 -26, 2021



Day 1: Thursday, November 25, 2021

- 10:45 – 11:00** **Opening & Welcome**
- 11:00 – 12:00** **Session I**
Chair: F. Pfeiffer
Magdalena Rafecas, University Lübeck: Algorithmics and instrumentation for nuclear imaging: a subjective overview
- 12:00 – 14:00** **Lunch break**
- 14:00 – 15:00** **Session II**
Chair: K.Parodi
Thomas Bortfeld, MGH Boston: The art and the science of defining the clinical target volume in radiation oncology
- 16:00 – 18:00** social event

Day 2: Friday, November 26, 2021

- 10:00 – 11:00** **Session III**
Chair: K.Parodi
Pawel Moskal, Jagiellonian University, Kraków: Positronium imaging with multi-photon J-PET scanner.
- 11:00 – 12:00** **Guillaume Landry**, LMU: Fluence-modulated proton computed tomography
- 12:00 – 14:00** **Lunch break**
- 14:15 – 15:15** **Session IV**
Chair: F.Pfeiffer
Thomas Flohr, Siemens Healthineers: Technical principles and applications of medical photon counting computed tomography
- 15:15 – 15:30** **Coffee break**
- 15:30 - 16:30** **Session V**
a: Steering Committee, PIs, Co-PIs (*chair: K. Parodi*)
b: Ph.D. candidates (*chair: S. Gerlach*)
- 16:30 – 17:30** Closing discussion (*chair: K. Parodi*)