



8:30am Private bus pick up at Hyatt Regency Newport Hotel, RI

10:30am Arrive at Yale

10:45-11:05am Tour Yale Translational Research Imaging Center

11:05-11:30am Tour Yale PET Center

**Workshop (1-6pm)**

Brady B131 Auditorium, 310 Cedar St., New Haven, CT

1-1:05pm **Welcome and Introduction**  
Chi Liu, PhD  
Assistant Professor of Diagnostic Radiology and Biomedical Engineering  
Yale University

1:05-1:30pm **Algorithm-enabled System Design and Applications in CT**  
Xiaochuan Pan, PhD  
Professor of Radiology, Radiation and Cellular Oncology  
University of Chicago

1:30-1:55pm **Alternative Possibilities in Spectral CT**  
Ge Wang, PhD  
Clark & Crossan Endowed Chair Professor of Biomedical Engineering  
Director, Biomedical Imaging Cluster  
Rensselaer Polytechnic Institute

1:55-2:20pm **Advances in Motion Management in CT**  
Marc Kachelrieß, PhD  
Professor of X-Ray Imaging and CT  
German Cancer Research Center (DKFZ)

- 2:20-2:45pm      **Noise and Image Quality Assessment in X-ray CT: Challenges, Methods and Applications**  
Frederic Noo, PhD  
Professor of Radiology  
University of Utah
- 2:45-3:00pm      Coffee Break
- 3:00-3:25pm      **Dynamic PET Image Reconstruction and Lesion Detection**  
Jinyi Qi, PhD  
Professor of Biomedical Engineering  
University of California - Davis
- 3:25-3:55 pm      **Estimating Attenuation from TOF-PET Activity**  
Johan Nuyts, PhD  
Professor of Nuclear Medicine  
K.U. Leuven
- 3:55-4:20 pm      **Quantitative Imaging in the Thorax with PET/CT and PET/MR**  
Kris Thielemans, PhD  
Senior Lecturer of Nuclear Medicine  
University College London
- 4:20-4:35pm      Coffee Break
- 4:35-5:00pm      **Quantitative Imaging in PET/CT and SPECT/CT**  
Chi Liu, PhD  
Assistant Professor of Diagnostic Radiology and Biomedical Engineering  
Yale University
- 5:00-5:25pm      **Quantitative Molecular Imaging: Challenges and Opportunities outside the Brain**  
Richard Carson, PhD  
Professor of Diagnostic Radiology and Biomedical Engineering  
Yale University
- 5:25-5:50pm      **Molecular and Translational Cardiovascular Nuclear and CT Imaging**  
Albert Sinusas, MD  
Professor of Medicine and Diagnostic Radiology  
Yale University
- 5:50-6:00pm      **Announcement and report**  
Chi Liu, PhD  
Assistant Professor of Diagnostic Radiology and Biomedical Engineering  
Yale University

Sponsored by the Department of Diagnostic Radiology, Yale University, the workshop is free of charge. Cost might be involved for private bus transportation and food. If you are interested in attending the workshop at Yale, please contact Chi Liu ([chi.liu@yale.edu](mailto:chi.liu@yale.edu)).