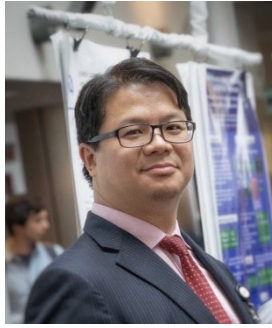


AI in PET/MR Imaging



Chuan Huang
Associate Professor
Department of Radiology and Imaging Science
Director of PET-MRI Research
Emory University

Tuesday, November 19, 2024
12:00 – 1:00 PM
BMI Classroom 4004
Woodruff Memorial Research Building

or

Join us on Zoom link:
<https://zoom.us/j/92934429715>
Meeting ID: 929 3442 9715



EMORY
UNIVERSITY

**Department of
Biomedical Informatics**
Emory University School of Medicine

Abstract: AI in PET/MR is an active field of research. While the current PubMed search identified limited PET/MR AI publications, it is clear that AI has the potential to be applied to the entire life cycle of PET/MR imaging. PET/MR researchers can learn from advancements both in the MR field and PET field, as well as the general computer vision field. In this talk, the speaker will discuss his lab's experience in AI in PET/MR Imaging and the state of the art.

Bio: Dr. Chuan Huang is an Associate Professor of Radiology and Imaging Science and serves as the Director of PET-MRI Research at Emory University School of Medicine. He is also a member of the Winship Cancer Institute and the program faculty of the Department of Biomedical Engineering at Georgia Institute of Technology and Emory University. Dr. Huang joined Emory in November 2022, before that he was a tenured Associate Professor of Radiology and Psychiatry, along with affiliations with Biomedical Engineering, and Computer Science at the State University of New York at Stony Brook. He was a member of Stony Brook AI Institute, and Institute of Engineering-Driven Medicine.

His research has focused on PET/MR imaging, and machine learning / artificial intelligence in medical imaging, particularly in the application of neuroimaging and cancer imaging. He has over 60 peer-reviewed journal publications and 3 patents. In 2023, he was recognized as a Distinguished Investigator by The Academy for Radiology & Biomedical Imaging Research.

Chuan earned his BS from the University of Science and Technology of China at Hefei in 2006, and his PhD from the University of Arizona in 2012. He finished his postdoctoral training at Massachusetts General Hospital / Harvard Medical School in 2014 and was promoted to Instructor there. He then joined the State University of New York at Stony Brook in the same year and was appointed as the Director of PET/MR Clinical Research in 2017.