Bio

Wu Liu is an associate professor and clinical medical physicist at Department of Radiation Oncology, Stanford University, Stanford, CA, USA. He was born in Beijing, China. He received B.S. degree in Astronomy from Nanjing University, Nanjing, China and M.S. degree in Astrophysics from Chinese Academy of Sciences, Beijing, China. He obtained his M.S. degree in Computer Science and Ph.D. degree in Medical Physics (2007) from University of Wisconsin-Madison, Madison, WI, USA. He then completed his postdoctoral training at Stanford University. Before re-joining Stanford, he was a medical physicist at Yale-New Haven hospital and an assistant professor at Yale University.

ACADEMIC APPOINTMENTS
• Clinical Associate Professor, Radiation Oncology - Radiation Physics

PROFESSIONAL EDUCATION
• PhD, University of Wisconsin-Madison, Medical Physics
• MS, University of Wisconsin-Madison, Computer Sciences
• MS, Graduate School of Chinese Academy of Science, Beijing, China, Astrophysics
• BS, Nanjing University, Nanjing, China, Astronomy

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Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Publications

PUBLICATIONS
• Practice Patterns for the Treatment of Uveal Melanoma with Iodine-125 Plaque Brachytherapy: Ocular Oncology Study Consortium Report 5  Ocular Oncology and Pathology
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• Dose verification for respiratory-gated volumetric modulated arc therapy *PHYSICS IN MEDICINE AND BIOLOGY*
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• Clinical development of a failure detection-based online repositioning strategy for prostate IMRT-Experiments, simulation, and dosimetry study *MEDICAL PHYSICS*
  Liu, W., Qian, J., Hancock, S. L., Xing, L., Luxton, G.
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• Dose reconstruction for volumetric modulated arc therapy (VMAT) using cone-beam CT and dynamic log files *PHYSICS IN MEDICINE AND BIOLOGY*
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• Trade-Offs in Data Acquisition and Processing Parameters for Backscatter and Scatterer Size Estimations. *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*
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