

**Samuel G. Armato III, Ph.D., FAAPM,**



Samuel G. Armato III earned his Ph.D. in medical physics in 1997 from The University of Chicago. He is now an Associate Professor in the Department of Radiology, the Committee on Medical Physics, and The College at The University of Chicago. He has been Chair of the University's Committee on Medical Physics and Director of the Graduate Program in Medical Physics since 2013. His current research focus is in the field of computer-aided diagnosis. His work includes the development and evaluation of computerized techniques for the quantitative analysis of medical images and the assessment of tumor response to therapy. More specifically, his research has involved the computerized detection and evaluation of lung nodules in thoracic CT scans, the assessment of image quality and pathologic change in temporally subtracted chest radiographic images, the computerized evaluation of mesothelioma tumor and response to therapy in CT scans, critical analyses of image-based tumor response assessment for mesothelioma, the development of objective CT-based metrics for the quantification of mucosal inflammation due to sinusitis, the application of radiomics to the pre- and post-treatment CT scans of radiation therapy patients to predict normal lung tissue complications, and the evaluation of reference standards for CAD research.

Among involvement in multiple other AAPM committees, he has been Chair of the AAPM's Journals Business Management Committee since 2010 and serves on the editorial boards of Medical Physics and the Journal of Applied Clinical Medical Physics. He was the founding Treasurer of the Society of Directors of Academic Medical Physics Programs (SDAMPP), a position he held for seven years. He is president of the International Mesothelioma Interest Group. Dr. Armato is a fellow of the AAPM and SPIE.