

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

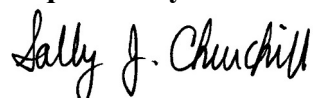
Mitchell M. Goodsitt, Ph.D., professor of radiological sciences in the Department of Radiology, Medical School, retired from active faculty status on December 31, 2023.

Professor Goodsitt received his B.S. degree in 1974, his M.S. degree in 1976, and his Ph.D. degree in 1982 from the University of Wisconsin. He joined the Harvard Medical School faculty as an instructor of radiology in 1982. In 1986, he moved to the University of Washington hired as an assistant professor of radiology (physics) and promoted to associate professor in 1992. He joined the University of Michigan faculty as an associate professor of radiological sciences, with tenure, in 1992 and obtained a secondary appointment in environmental and industrial health from 1995-2009, as well as an additional appointment in biomedical engineering from 2012-2019. He held an adjunct professor appointment in nuclear engineering and radiological sciences from 2001-2022. Professor Goodsitt was promoted to professor of radiology in 1999.

Professor Goodsitt's research focuses on X-ray and ultrasound imaging. He developed some of the first dual-energy quantitative CT methods for estimating both the mineral and fat contents of vertebrae. With Professor Paul Carson, Ph.D. of the University of Michigan and scientists at GE Global Research, he helped develop the first combined 3D x-ray and 3D ultrasound device for imaging the breast. He supervised and mentored six postdocs. One is now a chief physicist at Massachusetts General Hospital, and two have been diagnostic physicists at the University of Michigan Hospital for over 20 years. Professor Goodsitt is the director of the physics of diagnostic radiology course for radiology residents (1992-present) and was the director of the nuclear engineering (NERS 579) physics of diagnostic radiology course (1992-2020). He also taught courses in bioengineering (BME 510), biophysics (116), and in the Medical School. He was on the M.S./Ph.D. dissertation committees of multiple University of Michigan students. He has made major contributions to the American Association of Physicists in Medicine (AAPM). He was the scientific program director/co-director for four annual AAPM meetings, was the chair of the ultrasound subcommittee, and co-chair of the tomosynthesis subcommittee. He was the imaging physics editor of the journal *Medical Physics* for seven years and was elected a fellow of the AAPM. Professor Goodsitt has published over 100 papers in peer-reviewed journals. He was the first author of the 1998 paper "Real-time B-mode ultrasound quality control test procedures; Report of AAPM Ultrasound Task Group No. 1," which remains the standard reference for this topic.

The Regents now salute this distinguished scholar and teacher by naming **Mitchell M. Goodsitt, professor emeritus of radiological sciences.**

Requested by:



Sally J. Churchill, J.D.
Vice President and Secretary of the University

December 2023