

Misture named first Inamori Professor at Alfred University

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Dr. Scott T. Misture, professor of Materials Science and Engineering, has been named the first Inamori Professor by the Kazuo Inamori School of Engineering at Alfred University. A \$10 million gift from the Kyocera Corporation in honor of its founder, Dr. Kazuo Inamori, led to the creation of four Inamori Professorships in the School of Engineering. "Our pledge to the Kyocera Corporation and Dr. Inamori was that we would use the income from the endowment their gift created to hire top researchers in materials science, particularly in the areas of nanotechnology and biomedical materials," said Dr. Charles M. Edmondson, president of Alfred University. "With the appointment of Dr. Misture, we believe we have taken a significant step toward fulfilling our promise," said Dr. Suzanne Buckley, provost and vice president for Academic Affairs at Alfred University. "Dr. Misture is recognized internationally for his expertise in the use of X-ray diffraction to determine the structure of materials and how that relates to their properties. His work is important to development of engineered materials that are the bases for new technology and commercial products." An alumnus of Alfred University, who earned his B.S. degree in ceramic engineering in 1990 and a Ph.D. degree in ceramic science in 1994, Misture was a post-doctoral research fellow in the High Temperature Materials Laboratory at Oak Ridge National Laboratory before returning to AU in 1996 as an assistant professor of materials science and engineering. He was promoted to full professor in 2007. In 2000, Misture became Alfred University's first-ever recipient of a CAREER Award, presented by the National Science Foundation (NSF) to promising young scientists. His current research includes a New York Foundation for Science, Technology and Innovation (NYSTAR) funded program to develop solid oxide fuel cells; an NSF project, "Experimental and computational study of local cation environments in oxide photocatalysts;" and several projects for industries, including Kyocera Corporation, Kodak, and Applied Coatings, Inc. He is also co-investigator with Dr. Doreen Edwards in three projects funded through the federal Environmental Protection Agency and the Center for Environmental and Energy Research at Alfred. They include "Novel Glass-Ceramic Gas Separation Membranes;" "Nanoscale Layered Photocatalysts;" and "Tunneled Titanate Photocatalysts." He is a Fellow of the International Centre for Diffraction Data (ICDD), as well as a member of its board of directors and a contributing editor to its publication. He was previously chair of its X-ray methods subcommittee. He is a member of the Denver X-Ray Conference Organizing Committee and conducts full-day workshops on in-situ diffraction and diffraction optics. He previously served as a member of the executive committee of the Spallation Neutron Source and High Flux Isotope Reactors Users Group; chair of the American Crystallographic Association SIG on powder diffraction; and a member of the executive council on the International X-Ray Analysis Society. Misture has authored or co-authored more than 95 publications and made more than 200 presentations at professional meeting, including 15 invited talks at international meetings. He has also chaired about 25 sessions at international conferences. He has undertaken exploratory research collaborations with colleagues at CSIRO in Australia, Georgia Tech, the University of Cincinnati, Penn State, Washington State, the National Institute for Standards and Technology and Oak Ridge National Laboratory. He has advised 25 graduate students and five postdoctoral scholars, and currently works with five graduate students, one postdoctoral scholar, and a visiting professor. Alfred University's Kazuo Inamori School of Engineering contains four programs that are supported by New York State through a statutory unit, the New York State College of Ceramics. They are: biomedical materials science engineering, ceramic engineering, glass science engineering and materials science engineering. Additionally, the Inamori School has two private programs in electrical and mechanical engineering. For more about the Kazuo Inamori School of Engineering at Alfred University, see <http://engineering.alfred...> For more about Dr. Scott T. Misture, see <http://engineering.alfred...>