Two join faculty at Inamori School of Engineering, Alfred University
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Two new professors will join the faculty of the Kazuo Inamori School of Engineering at Alfred University this fall. Anthony W. Wren and Yiquan Wu have been named assistant professors by Doreen Edwards, dean of the school.Wren has been a postdoctoral fellow, conducting research into bioreactive glasses and cements for various clinical applications at Alfred University since October 2009.He completed his Ph.D. in biomedical materials at the University of Limerick, Ireland, in 2008, working with Mark Towler, who is now an Inamori Professor of Biomedical Materials Engineering Science at Alfred University.His primary research interests include bioreactive glasses and cements, including characterization and materials testing; cultural of mammalian cells for in vitro biomaterial testing; in vitro bacterial testing of materials; and x-ray photoelectron spectroscopy for characterization of novel glasses. Wren earned a master's in biomedical engineering, also from the University of Limerick, and a bachelor's degree in biology, with minors in mathematics and experimental physics and mathematical physics from the National University of Ireland in Maynooth.He had previously been employed at the University of Limerick as a postdoctoral research fellow. He has also been a research assistant at Crescent Diagnostics, a London-based company; and a member of the production staff at DeBeers-Element Six in Shannon, Ireland, and Tyco Electronics, also in Shannon.Wren has presented at international conferences in Europe and the United States, and is author or co-author of 21 peer-reviewed scientific journal publications. He has also written a chapter for X-Ray Photoelectron Spectroscopy (Nova Publishing) and reviewed submissions for the Indian Journal of Dental Research. He is a member of the European Society of Biomaterials; the American Ceramics Society; and the Society of Biomaterials.Wu has most recently been an assistant research professor in the Department of Mechanical Engineering at the University of Rochester, and previously worked as a research associate in the Department of Mechanical Engineering and Materials Science at Duke University.His research interests include advanced ceramics, nanostructured materials for energy, bio-solid materials, and advanced films and coatings. He has taught courses in materials sciences, thin films, biomaterials and laser processing of materials.Wu received a Young Investigator Research Program award from the U.S. Air Force in 2010, and earned the K.C. Wong Education Foundation Award from the Chinese Academy of Sciences the same year. Other honors and awards include an international travel grant award from the Royal Academy of Engineering; an Overseas Research Scholarship from Universities UK; an Imperial College Fellowship; the Presidential Award from the Chinese Academy of Sciences; the Yan Dongsheng Prize, awarded by the Shanghai Institute of Ceramics; an Outstanding Research Award from Ma'anshan Iron and Steel Co., Ltd., China; and a University Fellowship from Wuhan University of Science and Technology.Wu has taught at the University of Rochester; Duke University; the Imperial College, London; University of Science and Technology of China and Wuhan University of Science and Technology, China.He was employed as a materials engineer at Ma'anshan Iron & Steel Co., Ltd.Wu has authored or co-authored more than 40 journal articles; has given several invited talks and conference presentations; and been an invited reviewer for a number of professional journals.He is a member of Sigma Xi; Materials Research Society; Optical Society of America; American Ceramics Society and the Institute of Materials, Mining and Metallurgy in the United Kingdom.He received his B.S. degree in 1994 from the Department of Materials Science and Engineering at Wuhan University of Science and Technology, China; his M.S. degree from the Chinese Academy of Sciences and University of Science and Technology of China in 2001; and his Ph.D. degree from the Department of Materials, Imperial College, London, in 2005.