

## **AU engineering professor receives award for quality, relevant research**

11/12/10

Dr. Nathan Mellott, assistant professor of materials science and engineering in the Kazuo Inamori School of Engineering at Alfred University, is a recipient of a "3M Non-Tenured Faculty Award." This award is given by 3M to recognize outstanding faculty for the quality and relevance of their research. The award comes with an unrestricted grant of \$15,000 per year, which may be renewable for up to three years. Mellott earned a bachelor of science degree in geological sciences from Michigan State University, and a master of science degree in geosciences and a Ph.D. in materials, both from The Pennsylvania State University. His research interests are based primarily in the areas of multifunctional thin films (in particular sol-gel-based), glass surfaces and corrosion, and advanced surface and materials characterization. Mellott's particular interests include the processing, design, and applications of thin films and nano-structured materials, with focus on how nanoscale material structure and properties can be tailored to produce multi-functional, "smart" materials; the development of new, and improvement of existing, applications of thin films, glass, and glass coatings in advanced material systems; and the use of advanced surface science techniques in the understanding of material surfaces, their interfaces with coatings, and their behavior with corrosion in a variety of environments. His work was published in "Commercial and Laboratory Prepared Titanium Dioxide Thin Films for Self-Cleaning Glasses" in 2006. He is also a member of the American Chemical Society, the American Ceramic Society, the Materials Research Society, the International Sol-Gel Society, and American Association for the Advancement of Science.