Photo by Jim Zietz

2008 IOTA SIGMA PI AGNES FAY MORGAN RESEARCH AWARD

Professor Julia Chan, Louisiana State University

Dr. Julia Chan is the **2008 recipient of the Agnes Fay Morgan Award.** This annual award is given for research achievement in chemistry or biochemistry. The nominee must be a woman chemist or biochemist, not over forty years of age at the time of her nomination.

Dr. Chan attended Baylor University as an undergraduate where she earned her B.S. in Chemistry in 1993. She moved to UC Davis to pursue a Ph.D. in Chemistry working with Professor Susan M. Kauzlarich working on transition metal Zintl phases where she discovered a new family of magnetoresistance materials. After graduating in 1998, she pursued postdoctoral research as a National Research Council Postdoctoral Fellow at the National Institute of Standards and Technology Material Science and Engineering Lab working on dielectric materials.

Dr. Chan began her career at Louisiana State University Fall 2000 in the Department of Chemistry, where her research focuses on the crystal growth of novel intermetallics and oxides. Her research interests involve synthesis of materials that exhibit metal-to-insulator transitions, mixed valence, highly correlated electronic systems and superconductivity. Efforts are placed on the crystal growth, structures, and properties of new materials. She has published over 65 papers and given over 75 invited talks. She was a visiting research fellow at the Institute of Solid State Physics at University of Tokyo during Spring of 2008. She has graduated 4 PhD students (including 3 women), and has mentored over 15 undergraduates. Her current group

consists of 7 PhD students and 3 undergraduates.

Dr. Chan's awards include Ralph E. Powe Junior Faculty Enhancement Award from Oak Ridge Associated Universities, NSF Career Award, American Crystallographic Association Margaret C. Etter Early Career Award, College of Basic Science Graduate and Teaching Award, LSU Distinguished Faculty Award, Baylor University Outstanding Alumni Award, Alfred P. Sloan Research Fellowship, American Chemical Society Exxon Mobil Faculty Fellowship in Solid State Chemistry and one of 12 Profiled in 2002 *C&E News* series on "Women in Chemistry", highlighting women making an impact in the chemical sciences. She is currently the chair of the division of Solid State Chemistry for the Inorganic Chemistry division of the American Chemical Society.