Education Research:

Julia Chan, Ph.D.

Louisiana State University
Department of Chemistry
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Dr. Julia Chan attended Baylor University as an undergraduate, where she earned her Bachelor of Science degree in Chemistry in 1993. She moved to the University of California, 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 magneto resistance 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 in 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 75 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 2008. She has graduated six Ph.D. students (including 4 women), and has mentored over 15 undergraduates. Her current group consists of seven Ph.D. students and three undergraduates. She has recently led LSU's Multidisciplinary Hiring Initiative on Materials Science leading to the hiring of five scientists.

Dr. Chan's awards include the 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, Iota Sigma Pi Agnes Fay Research 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.