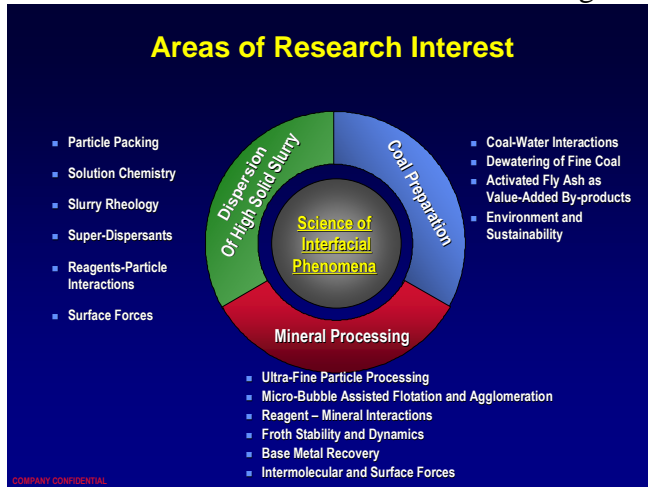


My Main Research Interest

My main research interest includes the dispersion of high solid slurries containing ultra-fine particles, mineral processing, and coal preparation technology with the emphasis on science of interfacial phenomena. The key theme of my research is concerned with how the surface and intermolecular forces affect the dispersion and agglomeration of high solid slurries in various industrial processes such as froth flotation, filtration, dewatering, oil sands extraction, tailing treatment as well as construction and building materials.



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Employment 2009 – Present, Professor and Centre Director, Department of Chemical and Materials Engineering, University of Alberta, Canada; 1998–2009, USG Corporate Innovation Center, Libertyville, IL, USA; 1996 – 1998 Teck-Cominco Research, Trail, BC, Canada; 1993 – 1996 McGill University, Montreal, Canada; 1992 – 1993 Electrical Engineering, Purdue University, IN; 1991 – 1992 Center for Applied Energy Research, University of Kentucky; 1989 – 1991 Central South University of Science and Technology, Changsha, China; 1982 –1989 China University of Mines, Beijing, China; 1978 – 1982 Heilongjiang Institute of Science and Technology, China.