

## JESSICA ELZEA KOGEL



**Jessica Elzea Kogel** is Lands and Mines Manager for IMERYS in Sandersville, Georgia. She is responsible for land management, mineral resource development, mine planning, mining and reclamation for North American kaolin operations. She received a B.A. in Earth Science from the University of California at Berkeley and an M.S. and Ph.D. in geology from Indiana University. Dr. Kogel has spent most of her 20 year career in the mining industry where she has held positions in both Research and Development and operations. Her areas of expertise include the geology, mineralogy and processing of bentonite, kaolin and carbonate minerals. She has authored or co-authored over 30 papers, book chapters and field guides and holds 4 patents. An active member in SME for over 25 years she has served 2 terms on the SME Board of Directors and has held

numerous leadership positions including Chair of the Governance and Organization Strategic Committee, SME Executive Committee member, Program Committee Chair for the 2001 SME Annual Meeting and Exhibit and Chair of the SME Council of Education and Accreditation. She has also been active in the Industrial Minerals Division having served on numerous committees and as chair of the Division in 2001. She has participated in the organization of three Dreyer Conferences and was Senior Editor for the 7th Edition of Industrial Minerals and Rocks. Dr. Kogel is a Distinguished Member of SME. She is also an active member of the Clay Minerals Society and served as its President in 2003.

## MARC A. HERPFER



**Marc A. Herpfer** is Research Director at Oil-Dri Corporation's Innovation Center, and has over 19 years of "mine to market" experiences in "creating value" from "sorbent" minerals. He currently leads the "Business-to-Business" New Product Development and Technical Services Group which develops or applies minerals technologies to commercialize and serve "sorbent clay-based products and engineered specialty materials used for purification, filtration, agricultural, animal health, ceramic, rheological and environmental applications worldwide. He is co-inventor on four patents related to bleaching-media used in the purification and decolorization of edible oils, and porous ceramics used to improve structural brick production and quality. Also, he is involved with industrial minerals exploration and characterization, natural

resources acquisition, and raw materials utilization. Herpfer is an honors graduate of Tufts University in chemistry and geology, and received M.S. and Ph.D. degrees from Arizona State University related to geochemistry and materials science. In the past, he has researched in the fields of metallurgy, meteoritics and cosmochemistry; as well as, published on solid-state diffusion in Fe-Ni metals and the physico-chemistry of melt microstructures formed in metal-silicate aggregates at ultra-high pressures. Herpfer is active within SME and has served on numerous SME strategic, society level and IM&AD committees since 1996. He currently chairs the 2012 SME Program Committee, and recently co-chaired the 2010 Dreyer Conference on "Specialty Clays – Geology, Production & Markets". He has served on the SME Board of Directors (2005-2006), is a past-Chair of the Industrial Minerals Division (2005-2006), and has chaired various IndMD committees and technical sessions. He is the recipient of the IndMD Young Scientist and Piekarz awards. He has authored or co-authored numerous peer reviewed publications and presentations, as well as chaired technical sessions, related to industrial clay commodities, processing technologies and product applications, "sustainability" issues, mycotoxin binders, edible oils purification, ceramic functional fillers, and co-edited a book on Functional Fillers & Nanoscale Minerals. He is also active with the Clay Minerals Society, as well as other technical and professional societies since 1986.

## HUGH B. MILLER



**Hugh B. Miller** is an Associate Professor in the Mining Engineering Department at the Colorado School of Mines. While at CSM, he has taught courses and conducted research in a variety of specialized areas, including mine design & operations, hydraulic excavation & drilling, occupational health & safety, project feasibility/valuation, and waterjet technology. Prior to joining CSM in 2005, Hugh spent 6 years teaching at the University of Arizona and was the Director of the San Xavier Mining Laboratory and Co-Director of the International Center for Mine Health, Safety, and Environment. Through his career, he has served on the Boards of several companies and professional organizations and regularly consults in the technical and economic evaluation of mines and mineral resources, as well as the integration of new technologies and

equipment in underground excavation. Hugh currently serves on the Board of Directors for Animas Resources, Ltd., a Canadian public company and the Waterjet Technology Association. He also serves as a Trustee for the Northwest Mining Association and is heavily involved in the Society for Mining, Metallurgy, and Exploration, Inc. (SME). Prior to entering academia, Hugh worked 13 years for several mining and engineering companies in capacities ranging from mine operations to that of senior management. He spent four years as Director of Operations for International Engineering Technology, Inc. overseeing a wide variety of projects related to equipment development and technologies associated with underground mining, civil-construction, and drilling systems. Hugh received his undergraduate and graduate degrees from the Colorado School of Mines.