



Short Course: Approaches in Mine-Mill Integration: Economic Evaluation of Pre-concentration Opportunities

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Andrew Bamber received his Bachelor's degree in Mechanical Engineering from the University of Cape Town in 1993. He subsequently worked as an EIT at the Hartebeestfontein Gold Mine in South Africa and in 1996 obtained his Certificate of Competency in Mining Plant and Mining Law (SA Minerals Act, 1995). From 1997 he worked as a project engineer in gold, base metals and industrial minerals for Anglovaal Mining Ltd, and registered as a Professional Engineer with the Engineering Council in South Africa in 1999. Andrew received a Masters' degree in Mining and Mineral Processing in 2004, and a Ph.D. in Mining Engineering from the University of British Columbia in 2008.

In his career, Andrew has contributed to the successful completion of several major capital projects in Southern Africa, Canada and Kazakhstan. These include the Nyala Alumina Project for Rhino Minerals, the Dwarsrivier Chrome Project for Associated Manganese Mines of SA, and the Mimosa Platinum Phase III expansion for ZIMASCO in Zimbabwe. He has worked on numerous engineering studies including a due diligence for the privatization of ZCCM in Zambia, a 54 MVA DC furnace study for Feralloys Chrome Division, and the Kroondal Platinum 'K2' project in Rustenburg, South Africa. Since 2003, he has worked variously as a small-scale mining consultant for the United Nations (2005), and a technical advisor to Oriel Resources for the Voskhod Chrome Project in Kazakhstan (2006). He is a competent person in terms of NI-43-101 and has worked together with Golder Associates on several 43-101 compliant studies including Playfair's Grey River tungsten Project, the Kubi and Cameron Lake Gold Projects, and Selkirk's Ruddock Creek Lead-Zinc project. He is currently a principal of BC Mining Research Ltd, as well as an Adjunct Professor in Mine-Mill Integration at UBC, engaged in ongoing research into surface and underground pre-concentration technologies for Xstrata Nickel, Vale INCO, and others.