About the Presenter:

Dr. Patrick R. Taylor, P.E., FASM joined Mines in the summer of 2002 after being named the George S. Ansell Distinguished Professor of Chemical Metallurgy. Previously he was the Fred N. Peebles Professor and Head of the Department of Materials Science and Engineering at The University of Tennessee. Prior to that he was at the University of Idaho where he was Professor of Metallurgical Engineering and Head of the Department of Materials, Metallurgical, Mining and Geological Engineering.

His current research interests include the use of thermal plasma technology to produce advanced materials and to treat wastes. He has supervised research for more than 50 graduate students, published over 125 papers and received six patents. He developed the Plasma Processing Laboratory, which has several operating plasma reactors and funding from several governmental and industrial sources.

About the Institute:

Dr. Taylor is the Director of Kroll Institute for Extractive Metallurgy (KIEM). KIEM stands astride the field of metallurgy, focusing on the process of Extractive Metallurgy regardless of application.

- Processing of waste materials and the development of clean technologies
- Process development research focusing on improved commercial operations
- Production of new minerals-based by-products
- Chemical processing of materials, including materials synthesis
- Corrosion and reactive metals processing