Thematic Session 23

Occurrences of the rare-earth element resources in clays

W. Crawford Elliott  
Georgia State University, Department of Geosciences, Atlanta, GA 30302, USA  
wcelliott@gsu.edu

Prakash Malla  
Director of the Research & Development, Thiele Kaolin Company, Sandersville, Georgia, USA  
Prakash.Malla@thielekaolin.com

Increased supplies of the critical metals (high-field strength elements and rare-earth elements) are needed to develop new technologies and materials. Novel occurrences of the rare-earth elements have been found in clay-rich rocks (regolith, kaolin, and others). These occurrences contain sizeable resources of the rare-earth elements. This session provides a venue to present new data on the occurrences and the extraction of the rare-earth metals from clay rich rocks, soils and other fine-grained materials.

Keywords: Rare-earth elements, Separation, Extraction, Occurrences, Sedimentary, Regolith.