

Applications of Infrared Spectroscopy to Clay Mineral Systems

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This thematic session will demonstrate how Infrared spectroscopy is an outstanding tool for the characterization of clay minerals and their applications. It will cover mineralogical identification, crystal chemistry, local order, as well as clay-organic interactions. Both the mid- and near-IR regions will be treated. Applied fields extend from geosystems (surface of Earth and Mars mineralogy and alteration processes, mineral deposits, etc.) to materials (hybrids, organoclays, etc.).