

Energy and Chemistry of Solids: Past, Present and Future

Abstract

The Energy-solid state chemistry association is a long story that started a thousand years ago. Through this class the speaker will retrace the history of solid state chemistry and show how this research field evolved from a recipe approach to a real science. Key discoveries which have shaped this science will be reported prior to introducing the chemist's tool box to design new materials. The fundamentals being laid down, he will then describe a few strategies towards the design of new materials for energy transport, storage and conversion.