



Research Presentation

Friday, November 14, 2008, 3 pm, CF 120

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Hydrogen Storage: Exploring Complex Metal Hydride Materials

The development of alternatives to carbon based fuels is an area of intensive research. Efforts to develop an energy infrastructure based on hydrogen are underway, and one key component is compact, light-weight storage of hydrogen for transportation applications. Complex metal hydrides, e.g. NaAlH_4 , is one class of compounds that has been studied extensively as the materials store hydrogen reversibly at relatively mild conditions. Research on hydride materials, in particular efforts to create new materials with improved properties, will be discussed.