

MAR11-2011-020352

Abstract for an Invited Paper
for the MAR11 Meeting of
the American Physical Society

Using Earth Abundant Minerals for New Research Pathways in Solar PV and Battery Storage

CYRUS WADIA, Co-Director, Cleantech to Market - Directorate - Lawrence Berkeley National Laboratory

Dr. Wadia will provide an in-depth look at his research to discover and develop a new material system toward a more expansive solar photovoltaic future, covering topics of: materials selection based on abundance, new synthetic pathways for scaleable materials, and results of working solar cell devices he has fabricated with these principles in mind. He will also discuss the results of his latest paper exploring the resource constraints on electrochemical storage for both transportation and grid scale applications.