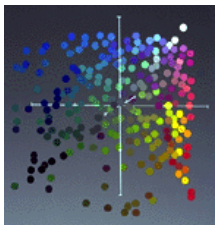

The Rowland Institute at Harvard

Dr. Yi Cui
Dept. of Materials Science and Engineering
Stanford University

Nanomaterials Design for Energy and Environment

Materials design at nanoscale has enabled novel technologies which can address critical energy and environment problems. My group's research in the past decade has been focused on innovative ideas in this area. Here I will show multiple examples how nanomaterials design can allow us to control photons, electrons, ions and heat. Examples include 1) high energy batteries with Si, Li metal and S; 2) electrochemical tuning of catalysts 3) cooling and heating textile for personal thermal management. 4) Water disinfection with novel 2D layered materials.

Thursday, December 1, 2016 at 4:00 PM
Auditorium, First Floor
100 Edwin H. Land Blvd, Cambridge, MA 02142

http://www2.rowland.harvard.edu/directions-rowland

Host: Haotian Wang

R.S.V.P: loving@rowland.harvard.edu