

Dear All,

INDIAN INSTITUTE OF SCIENCE
BANGALORE

INSTITUTE COLLOQUIUM
(Chemical Sciences)

Prof. A.K. Shukla
Chairman
Solid State and Structural Chemistry Unit

will deliver a lecture
on

BUILDING BETTER BATTERIES

Friday, October 16, 2009
at 4.00 pm in the Faculty Hall

THE DIRECTOR
will preside

All are cordially invited

Coffee/Tea:5.30pm

Venue: Reception Hall

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Abstract
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Batteries find various industrial applications ranging from cars to aerospace. Some of the front-line battery technologies are: lead-acid, nickel-cadmium, nickel-metal hydride, and lithium-ion. While it will be difficult to replace the lead-acid batteries primarily on the cost grounds, it is clear that lithium-ion batteries will emerge as potential substitutes to nickel-based batteries. This talk describes the desirable characteristics of storage batteries and highlights various efforts being expended to advance various battery technologies. It is believed that good batteries can change the world. They can give us clean renewable energy and can make a huge dent in global warming while reducing air and solid-waste pollution.