



ENERGY RESEARCH CENTER

Spring 2016 Newsletter

Climate Action Forum 2016

Wednesday, May 4th
9AM - 5PM

Stamp Student
Union @UMD



CLIMATE
ACTION 2016
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CATALYZING A SUSTAINABLE FUTURE

The Climate Action 2016 forum will feature six thematic areas including Energy, Transportation, and Resilience/Adaptation, as well as cross-cutting discussions on effective implementation of climate and sustainable development goals. Participants and attendees are expected from public and governmental organizations, private companies, campus departments, NGOs and civil society organizations, universities and research communities.

Check the website for the full forum agenda. The Climate Action 2016 forum is a public event held at the University of Maryland, registration is free and open to all.

More information: umd.edu/climate_forum_2016

Annual Meeting of the Center for Research on Extreme Batteries

The Center for Research on Extreme Batteries (CREB) will host its annual meeting this year on **May 24th** at the University of Maryland, College Park. CREB brings together academic, government, and industry partners to address the possibilities in extreme battery research.

This meeting aims to expand CREB's presence and membership, bringing together industry partners with leading academic and government researchers. In addition to talks from each of the founding partners (UMD, NIST, and ARL), the awardees of the Research & Innovation Seed Grant Program will also present their projects (more information). During this meeting, attendees and stakeholders will have the opportunity to discuss their membership in the CREB consortium.

A poster session will occur during lunch, highlighting innovative battery research. Information on how to submit a poster abstract will be included in the registration information.



Online registration and more information available online at go.umd.edu/creb-events

UMD had Largest University Showing at ARPA-E Summit

Nine UMD ARPA-E research projects formed an impressive “UMD Row” at the Advanced Research Project Agency-Energy’s seventh annual Energy Innovation Summit.

ARPA-E, an agency under the U.S. Department of Energy, aims to advance high-potential, high-impact energy technologies. Projects are awarded ARPA-E funding because they are developing entirely new ways to generate, store, and use energy.

more information: go.umd.edu/arpae-2016



UMERC Director Deconstructed a Hoverboard for WUSA9

Hoverboards became the hottest toy last year, often literally -- in many cases, the batteries became overheated and caused fires. Dr. Wachsman helped take a hoverboard apart for the local news channel WUSA9 to show that the battery packs in these devices lack a protective coolant to prevent overheating. UMERC scientists are working on safer battery technologies, including Dr. Wachsman’s ceramic battery, which aim to eliminate overheating and fire concerns for battery-powered devices such as the hoverboard.

View the video and read the article on the WUSA9 website: go.umd.edu/326

Solar Decathlon 2017



Watershed, Maryland’s winning design from Solar Decathlon 2011.
2011.solarteam.org

Led by Ray Adomaitis from the Engineering School, students from the schools of Architecture, Landscape Architecture, Communications and Business, Engineering, and the Physical Sciences will shape the house design, provide essential technical analysis to the project, and ultimately assemble and operate the house for the SD 2017 competition.

If you are interested in participating in Team Maryland’s entry to the 2017 Solar Decathlon - get more information and sign up on Team Maryland’s blog: sd2017.umd.edu