



# ENERGY RESEARCH CENTER

## UMD Energy Matters

### Energy Research Center Battery Highlighted on CBS This Morning

Jan Crawford, CBS National News correspondent interviewed UMERC Director Eric Wachsman and toured the laboratory to learn more about innovative battery technology under development. Dr. Wachsman and his team of researchers are creating a solid-state lithium-ion battery with a major advantage: they are not flammable. The novel electrolyte used in these batteries cannot catch fire like today's organic-based electrolytes that are increasingly responsible for electronics fires, yet these solid-state batteries are as efficient as the batteries on the market today while having even higher demonstrated energy density and the potential for even longer life.

Watch the video here: [go.umd.edu/5hL](http://go.umd.edu/5hL)

For additional coverage, visit: [go.umd.edu/5qy](http://go.umd.edu/5qy)

### Solar Decathlon 2017 UMD Team

For the U.S. Department of Energy Solar Decathlon, collegiate teams spend almost two years designing and building energy-efficient houses powered by the sun. In the final competition, the teams and their houses go head-to-head in 10 contests to determine an overall winner.

For the upcoming Solar Decathlon competition, UMD's team needs students and faculty from every campus discipline. The team will forge a significant advancement for residential design and construction—one based on clean energy, clean water, healthy materials, nutrient recycling, time-forward construction, resilience, and social equity. It will use an integrated design process that incorporates innovative research and technology. UMD's Solar Decathlon house will serve as a seminal prototype for houses that can be readily adapted to a range of clients, communities, construction technologies, and ecological environments.

Visit [solardecathlon.gov](http://solardecathlon.gov) for more information about the Solar Decathlon competition.

Sign up here to learn more about UMD's team and to get involved: [go.umd.edu/sd17-umd](http://go.umd.edu/sd17-umd)

### Center for Research in Extreme Batteries “Future of Munitions Batteries” Workshop

On December 7th & 8th, CREB will host “The Future of Munitions Batteries” Workshop at the US Army Research Laboratory in Adelphi, Maryland.

The purpose of this workshop is to bring together scientists, technologists, program managers, system designers, and users from government agencies, research labs, private companies, universities, and program offices to understand, exchange information on, and discuss the present, the past, and the future of munitions batteries to bring about a new vision and new pathways for munitions battery technologies going forward.

Full Agenda and Registration information are available on the event webpage:

[creb.umd.edu/events/the-future-of-munitions-batteries-workshop](http://creb.umd.edu/events/the-future-of-munitions-batteries-workshop)

# Request For Proposals for the 2017 Wells Graduate Fellowships

UMERC plans to release the 2017 RFP for the Wells Graduate Fellowship shortly -- check the UMERC website for details in the coming days.

Two Harry K. Wells Graduate Fellowships will be available for UMD graduate students pursuing research in sustainable energy generation and/or storage.

The application deadline for this fellowship is January 12th, 2017.

Download the full RFP and application instructions on the UMERC website (available soon).  
[energy.umd.edu/content/umerc-administrated-student-fellowships](http://energy.umd.edu/content/umerc-administrated-student-fellowships)

## UMERC Faculty Corner

### UMERC is hiring!

The Clark School of Engineering invites applications for Associate/Full Professor positions with demonstrated expertise and superior research credentials in electrochemical energy storage and conversion (batteries and fuel cells). Further, this candidate should have national prominence for their contributions to energy research, a strong record of external funding support, and demonstrated success with large multi-disciplinary proposals.

If identified, the appropriate candidate would be eligible to serve as the Associate Director of UMERC, to work with the Director of UMERC to coordinate broader energy research across the campus and lead large multi-disciplinary opportunities.

Visit [go.umd.edu/ejobs-umerc](http://go.umd.edu/ejobs-umerc) for the full position description & requirements and to apply.

Questions and nominations can be sent to Jelena Srebric, [jsrebric@umd.edu](mailto:jsrebric@umd.edu).

### UMERC Faculty Profiles

Do you have updates for your UMERC Faculty profile? Perhaps a new research webpage?

Email any updates to Amanda McCrum, UMERC's Research Coordinator at [amccrum@umd.edu](mailto:amccrum@umd.edu).

Updates to your profile and research interests help us promote your work and send you appropriate funding opportunity announcements.

Also contact us if you are interested in being added to the UMERC Faculty

### UMERC Faculty Lunches

During the Fall and Spring semesters, UMERC Faculty are invited to the UMERC Conference room twice monthly to hear about the latest UMERC Faculty research, publications, projects, and potential energy-related funding opportunities.

If you have a topic you would like to present at a UMERC faculty lunch, please contact Amanda ([amccrum@umd.edu](mailto:amccrum@umd.edu)).