



ENERGY RESEARCH CENTER

UMD Energy Matters

Battery Breakthrough!

UMERC researchers have found an ultra-thin solution to the primary obstacle in solid-state battery development. In a paper describing the research, published on Dec 19th in Nature Materials, the researchers describe how they solved the problem of impedance between the garnet electrolyte and electrode materials.

Read More Here: go.umd.edu/battery

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 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

Transforming Energy Lecture

Join us on Tuesday, January 10th for a battery lecture from Dr. Yuki Katoh, Senior Manager and Scientist at Toyota.

Tuesday, January 10th, 10 AM
1202 Martin Hall
“Sulfate-based Solid-State Batteries”

More information on the UMERC website:
energy.umd.edu/transforming-energy-lectures

Request For Proposals for the 2017 Wells Graduate Fellowships

Two Harry K. Wells Graduate Fellowships are 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.
energy.umd.edu/content/umerc-administrated-student-fellowships

UMERC Faculty Corner

UMERC is hiring Associate/Full Faculty

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 for the full position description & requirements and to apply.

Questions and nominations can be sent to Jelena Srebric, jsrebric@umd.edu.

UMERC has a new Research Coordinator!

Amanda McCrum, the Research Coordinator since July 2014, is departing in January for a new position in DC. We wish her the best of luck!

Beginning January 19th, Cathy Stephens will take on the UMERC Research Coordinator role. She comes to UMERC from the Council on the Environment with many years of experience in climate and atmospheric sciences. Please welcome Cathy to the UMERC community! She can be reached at csteph5@umd.edu

UMERC Faculty Profiles

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

Email any updates to
info_energy@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 membership!

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 during this Spring semester's UMERC faculty lunches, please contact info_energy@umd.edu.