

# ENERGY RESEARCH CENTER

## UMD Energy Matters

### Gary Rubloff named Distinguished University Professor



Distinguished University Professor is an official title, and the highest academic honor that the University of Maryland confers upon a faculty member. It is reserved for a small number of exceptionally distinguished scholars.

Distinguished University Professors are selected from faculty who have been recognized nationally and internationally for the importance of their scholarly or creative achievements and who have demonstrated the breadth of interest characteristically encompassed by the traditional role of scholar, teacher, and public servant.

UMERC Faculty member, Gary Rubloff is among the 2016 Distinguish University Professors, and one of four Clark School awardees. Dr. Rubloff is also Minta Martin Professor of Engineering, Director of the Maryland NanoCenter, and Director of the Nanostructures for Electrical Energy Storage Research Center with a joint appointment in the Institute for Systems Research (ISR).

Rubloff's research has included solid state physics, surface physics and chemistry, interfaces, semiconductor materials and processing science and technology, process diagnostics and modeling, manufacturing science, combinatorial materials science, biomaterials, and bioMEMS.

More information here: [go.umd.edu/rubloff-dist-prof](http://go.umd.edu/rubloff-dist-prof)

### Transforming Energy Lecture

The Department of Chemical and Biomolecular Engineering and UMERC are teaming up to bring you a Transforming Energy Lecture on **Friday, October 21st**.

Dr. Debra Rolison, ACS Fellow at the US Naval Research Laboratory will discuss ***“Enhancing electrochemical energy storage on the macroscale via architectural design on the nanoscale”***.

Details:

**Dr. Debra Rolison**

**Friday, October 21st**

**11:00AM - 12:00PM**

**Rm 2110, Chemical & Nuclear Engineering Bldg**

**University of Maryland, College Park**

The lecture abstract and speaker biography are available online: [energy.umd.edu/transforming-energy-lectures](http://energy.umd.edu/transforming-energy-lectures)

### Solar & Green Home Tours - Oct 1st & 2nd

Over 40 Solar and Green Homes will be open to tour this weekend in the DMV! UMERC Faculty member, Victor Yakovenko's solar, net-electricity-producing home in College Park is house R on page 26 of the guide, and it will be open on Sunday, October 2nd from 11am-5pm.

For more information and to download your tour guide visit: [www.solartour.org](http://www.solartour.org)

## 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)

## UMERC Director Reappointed to MCEC Board of Directors

UMERC Director Eric Wachsman was reappointed this year for his third term on the Board of Directors of the Maryland Clean Energy Center (MCEC). The Governor of Maryland appoints the MCEC Board members, for a term of four years, subject to Senate confirmation. Former Governor Martin O'Malley appointed Dr. Wachsman to the Board for the two previous terms, and current Governor Larry Hogan reappointed Dr. Wachsman to the MCEC Board for the 2016-2020 term. Click here to see the full Board: [mdcleanenergy.org/about-us/board](http://mdcleanenergy.org/about-us/board)

The Maryland Clean Energy Center was created by the state's General Assembly with a mission to advance clean energy and energy efficiency products, services, and technologies as part of a specific economic development strategy. MCEC has an economic development mission to advance the adoption of clean energy, and energy efficiency products, services and technologies. MCEC engages in efforts to help create and retain jobs; drive economic and business development in local communities; assist in the commercialization of innovative technologies; reduce energy costs for consumers; and drive reductions in greenhouse gas emissions associated with the use of fossil fuels.

Learn more about the Maryland Clean Energy Center here: [mdcleanenergy.org](http://mdcleanenergy.org)

## 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 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 Fall semester's UMERC faculty lunches, please contact Amanda ([amccrum@umd.edu](mailto:amccrum@umd.edu)).