



Massachusetts Institute of Technology. His contributions have led to a variety of honors, including election to both the National Academy of Engineering and the Institute of Medicine, the Society for Biomaterials Clemson Award, the IADR Distinguished Scientist Award,

NIH MERIT Award, Nature Biotechnology SciCafe Award, Einstein Visiting Fellow, and Fellow of the National Academy of Inventors. He is only the second individual to win both of Harvard's main teaching awards—the Everett Mendelsohn Excellence in Mentoring Award

(Harvard Graduate Student Council) and Phi Beta Kappa Prize for Excellence in Teaching (Harvard College).

The Mid-Career Research Award, endowed by MilliporeSigma (Sigma-Aldrich Materials Science), recognizes exceptional achievements in materials research.



## Falk to receive MRS Impact Award for STEM education

**M**ichael Falk, Department of Materials Science and Engineering, Johns Hopkins University (JHU), will receive the Materials Research Society (MRS) Impact Award during the 2018 MRS Spring Meeting “for broadened participation in STEM education in Baltimore elementary schools; for bringing attention to professional and educational climate issues faced by LGBTQ students and researchers; and for pioneered research-based methodologies for integrating computation into the Materials Science and Engineering curriculum.” This award honors outstanding individuals who have displayed excellence in areas of science communication, education, advancing diversity, mentoring, or community engagement, which reflect

the Society's pursuit to advance materials science and technology to improve the quality of life.

Falk is working to develop techniques that aim to extend the time scales accessible with simulation. These methods will also be extended to inherently nonequilibrium simulations. He anticipates that the simulations will enable the analysis of transitions in frictional response with respect to sliding rate and temperature.

Falk is the head of STEM Achievement in Baltimore Elementary Schools, a National Science Foundation (NSF)-funded outreach partnership between JHU and Baltimore City Schools. This \$7.4 million outreach effort to students in the third through fifth grades has altered the course of STEM instruction in Baltimore schools

by integrating an innovative curriculum, teaching professional development, conducting out-of-school-time investigations, and engaging the community.

Falk has served in many capacities on campus and nationally as a champion for LGBTQ equality in the materials science disciplines. He is an advisor to both the Diverse Sexuality and Gender Alliance (a JHU LGBTQ undergraduate organization) and the JHU chapter of Out in Science, Technology, Engineering and Mathematics. For this service, he received a Diversity Recognition Award from the John Hopkins Institutions Diversity Leadership Council in 2011.

Falk received his BA degree in physics from Johns Hopkins University and his PhD degree in physics from the University of California, Santa Barbara. He received the NOGLSTP Educator Award, the Jon R. and Beverly S. Holt Award for Excellence in Teaching, and the NSF Career Award. He has written several articles and presentations, and has received extensive funding for materials research and outreach and education efforts.

Falk will be recognized at the Awards Ceremony on Wednesday, April 4 at the PCC.



## Chueh named 2018 MRS Outstanding Young Investigator for ionic and electronic charge transport

**W**illiam Chueh, assistant professor of materials science and engineering at Stanford University,

has been named a 2018 Materials Research Society (MRS) Outstanding Young Investigator. Chueh was cited

“for groundbreaking research on ionic and electronic charge transport and interface chemistry relevant to electrochemical devices.” He will receive the award Wednesday, April 4, at the 2018 MRS Spring Meeting in Phoenix and will present his talk Monday, April 2 at the PCC.

Chueh's current research focuses on ionic and electronic charge transport and interface chemistry relevant to electrochemical devices, such as batteries and fuel cells. He and his research group seek to understand and engineer