



Department of Materials Science and Engineering

UNIVERSITY OF WISCONSIN-MADISON

news for alumni • spring 2020

From our chair

Hello alumni, donors and friends of MSE,

It goes without saying that none of us could have imagined an international pandemic interrupting our spring semester. Nearly all of us are now carrying out our teaching, research, and service work remotely. That's why we're reaching out to you electronically, instead of through our usual printed spring newsletter.



We are proud to tell you how MS&E and the College of Engineering stepped up to support our students as they prepare for their futures and our communities. Our faculty, staff and students displayed inspirational resilience in the face of challenges presented by the pandemic. With impressive speed, collaboration and creativity, the faculty used their spring breaks to convert all of our spring classes to an online format. Our students showed remarkable adaptability in picking up the new formats. We've also aided local, state and world partners as they fight to contain the virus. From all of us at the Department of Materials Science and Engineering, thank you for your support in helping us support our students and communities.

We hope you, your families and your friends are all well. We wish you wellness and happiness in the time ahead. [You can read more about MS&E's spring 2020 semester here.](#)

On, Wisconsin!

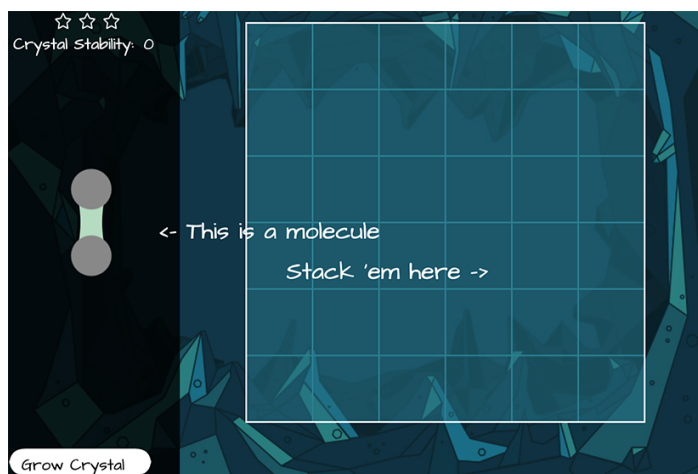
Sue Babcock
Professor and Department Chair

Game on

Faculty and staff in the Materials Research Science and Engineering Center

created several games to educate and entertain kids currently stuck at home due to the pandemic.

[Read more](#)



Tying it together

A capstone project with real-world difficulties ties together diverse coursework for MS&E undergrads.

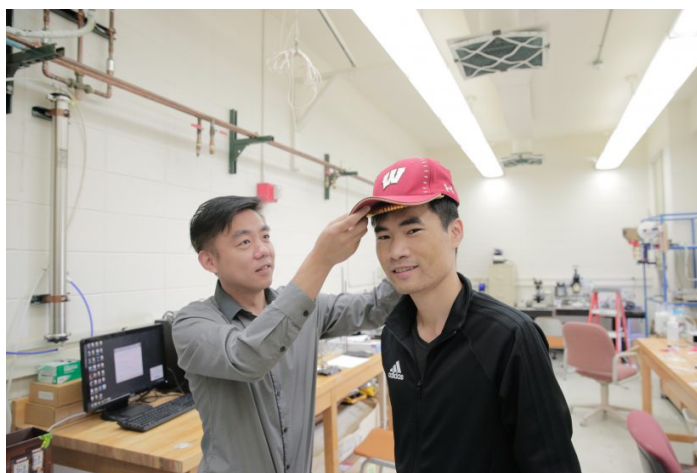
[Read more](#)



Hat hair

Professor Xudong Wang's new follicle-stimulating device could be a practical solution to reverse baldness.

[Read more](#)



More headlines

- Professor Chang-Beom Eom has pioneered a new method to [stack layers of complex oxides](#).
- New Assistant Professor [Daniel Rhodes](#) is using big magnets and Scotch tape to investigate next-generation ultra-thin materials.

- Recognizing a [mislabelled meteorite](#) earned undergrad Johnathon Brehm a prize from the International Metallographic Society.
- PhD student Laura Hasburgh's research is informing new regulations for [constructing tall buildings out of wood](#).
- Professor Mike Arnold and PhD student Vivek Saraswat are [creating graphene nanoribbons](#) that will be integrated in the next generation of computing.



A squad of [materials science grads](#) ensures quality control at Middleton, Wisconsin-based international gardening brand Fiskars.



The department recently remembered [former chair Y. Austin Chang](#) with a new professorship in his honor and the donation of his archives.

Help UW-Madison engineers respond to COVID-19

