In this Issue

In the News

Proposed Handbook for Integrity Issues

January 14, 2021

Vivian Neckel, Associate Dean for Student Affairs and Dean of Mason's College of Science, has asked the Science Community to consider developing a faculty handbook that addresses issues of academic dishonesty.

By Tracy Mason

The Dean has asked us to embark on a project that will help guide our faculty as they deal with students who are tempted to cheat (or are caught doing so) on assignments (particularly in light of the increased online instruction mode). The handbook will be a flexible document that can be modified into a cohesive and usable product.

Please share your thoughts about what should be included in the handbook in the comments section below, or email me your thoughts. It would be helpful to others. We will try to modify into a cohesive and usable product.

MASON SCIENCE COMMUNITY

Mason develops computational tools to optimize ship design and train naval architects

Ciby Yang, a professor of computational fluid dynamics in Mason's College of Science, leads a U.S. Navy funded research group that has developed a computational tool, TrueRemove®, which is aimed at optimizing ship design and training naval architects.

By Tracy Mason

The prototype software tool, developed with the help of the Navy's Center for Naval Engineering in San Diego, is set to revolutionize the way naval architects design ships and optimize ship performance.

The tool allows designers to create virtual ships, adjust parameters like ship size and shape, and see how the changes affect performance in real-time. The software also helps train naval architects by providing them with a platform to practice and improve their design skills without needing to build real-world prototypes.

RESEARCH & DISCOVERY

Mason scientists and Rutgers Cancer Institute of New Jersey collaborate to discover new breast cancer treatment options

Andre Clayborne, Assistant professor of Chemistry and Biochemistry, and Blake LeBaron, the Abram L. and Thelma Sachar Chair of International Economics at the International Business School, discussed his paper "Epidemics with Space, Movement, and Asymptomatic Spreading." He heard his colleagues' paper "Unraveling the Roots of COVID-19's Global Spread" at the College of Science Faculty Meeting.

By Tracy Mason

The Mason-Sigma Epilepsy Study, a multi-center research collaboration, is currently enrolling participants to help advance our understanding of epilepsy. The study is open to individuals who have been diagnosed with epilepsy and who are interested in contributing to this important research.

More on Professor Luo

Recently, Chao Luo, an associate professor in Mason's Department of Physics and Department of Chemistry and Biochemistry, released two new publications - one in Advanced Functional Materials and the other in Chemical Communications. Luo's research focuses on exploring new materials and new chemistries for high-energy and sustainable batteries.

By Tracy Mason

Luo Research Lab releases two new publications

By Tracy Mason

IN THE NEWS

Lux Research Lab releases two new publications

The Lux Research Lab releases two new publications - "Energy Storage Materials: A Forecast to 2037" and "Energy Storage Batteries: A Forecast to 2037". These reports provide comprehensive analysis of the energy storage market, including evaluate the current state of the market and forecast future trends.

Happening at Mason

Understanding Achievement Awards 2021: Call for Nominations

Nominations for the Understanding Achievement Awards, which recognizes exceptional achievements in the areas of teaching, research, service, and community engagement, are now open. The awards celebrate the outstanding contributions of Mason's faculty and staff who have demonstrated excellence in their fields.

Full Story

Events

Astronomy

"TrueRemove® can revolutionize the way our industry designs and optimizes ships, saving millions and improving safety. It reduces drag and increases fuel efficiency, which are critical factors in today's competitive and environmentally conscious market. We are excited about the potential impact this software will have on the naval architecture industry."

By Tracy Mason

"I am so excited to be part of this groundbreaking initiative. TrueRemove® offers a unique opportunity for naval architects to optimize ship design and train naval architects in a virtual environment. This tool will be a valuable resource for our students and industry partners."

By Tracy Mason

"The Mason-Sigma Epilepsy Study is an important step towards advancing our understanding of epilepsy. By enrolling participants, we can contribute to crucial research that may lead to new treatments and therapies. I encourage everyone to participate in this study."

By Tracy Mason

"The Understanding Achievement Awards recognize the outstanding contributions of Mason's faculty and staff. These awards celebrate individuals who have made significant impacts in their fields. I encourage everyone to nominate a colleague for these prestigious awards."

By Tracy Mason

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