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JUSTIN P. MARVIN, CHAIR

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propel human colonization throughout the solar system in the coming decades and beyond.

Michael Summers
March 17, 2021 | 6:45 to 10 p.m.
The Future of Humanity in Space

Join us for the next Galileo Science Cafe presented by affiliate faculty member, Michael Summers, on March 17, 2021, from 6:45 to 10 p.m. at the Science Cafe. This event will feature a lecture on the future of humanity in space, discussing the potential for human colonization throughout the solar system in the coming decades and beyond.

The Role of Physics in Medicine and Medical Education

Hear Dr. James L Doti, President Emeritus and Professor of Economics at Chapman University, discuss the role of physics in medicine and medical education on March 11, 2021, from 7 to 9 p.m. This event will provide insights into how physics principles can be applied in the field of medicine and how they can be integrated into medical education programs.

Colloquium on Computational Social Science/Computational Data Sciences

Connect with Mason Science faculty, staff, and students. Hear research presentations from Aarthi Narayanan, Assistant Professor of Computer Science, and Erdal Yiğit, Assistant Professor of Computer Science, on February 25, 2021, from 1 to 3 p.m. During this colloquium, you will have the opportunity to learn about the latest research in computational social science and computational data sciences.

ScienceConnect 2021

This Thursday afternoon, from 1 to 3 p.m., during our ScienceConnect 2021 event, you will have the opportunity to feature four of our scientists to briefly describe their respective work across the fields of COVID-19 and academic STEM fields. This event will provide a platform for students to begin or further their respective research at Mason.

An important consideration is the potential for space resources to be used to support human exploration of the solar system. The use of space resources could provide a cost-effective and sustainable alternative to traditional terrestrial resources. Scientists observe Mars' changing climate and environmental changes on its surface. These changes include changes in the atmosphere, surface composition, and topography. By monitoring these changes, researchers can gain insights into the planet's past and present and potentially identify signs of ancient life.

Scientists out east are set to begin a project to make artificial intelligence (AI)-based Earth scientific workflows more shareable, replicable, reusable, and scalable. This initiative aims to enhance data analysis and decision-making in Earth science, making research more efficient and accessible to scientists worldwide.

Like most big news these days, live coverage and landing commentary from NASA's Jet Propulsion Laboratory in Southern California began that afternoon on NASA's own public TV channel, on their Facebook page, and on Twitter. Last week the world raptly and virtually followed the progress of NASA's fifth Mars rover, Perseverance. Those who watched learned of the Mars mission and the role Hispanic NASA professionals have had in its success. This realization hit home for me, as NASA played an important role earlier in my career as a scientist and allowed me to work towards the advancement of underrepresented groups in STEM fields.

 Conclusion

In conclusion, space exploration and resource utilization hold significant promise for propelling human colonization throughout the solar system in the coming decades and beyond. Through continued research and technological advancements, we can harness the potential of space resources to support scientific discovery and human progress.