

October 2014



Director's Message

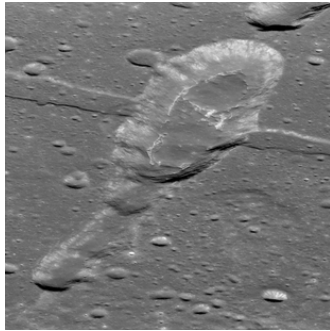
[Lindy Elkins-Tanton](#)

Dear Friends,

I'm excited to announce that two weeks ago we kicked off our new SESE Postdoctoral Development Program. The postdoctoral period of a young scientist's career can be lonely and uncertain. It has also been shown to be the leakiest part of

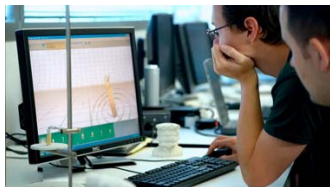
the leaky pipeline for women moving toward faculty positions. We're determined to avoid this pattern at SESE. [Read more](#)

RESEARCH NEWS



Dark outpourings of lava gave the "Man in the Moon" his face more than three billion years ago. And volcanic activity continued on the Moon until it halted a billion years ago – or so lunar scientists have long thought. However, a new discovery by a group of geologists at Arizona State University's School of Earth and Space Exploration shows that the Moon has seen small but widespread eruptions of basaltic lava during the last 50 million years.

[Read more](#)



An innovative online course, successfully developed and deployed at Arizona State University, is the basis of a far-reaching online science education project that is a finalist



Three new postdoctoral Exploration Fellows have joined the School of Earth and Space Exploration, starting with the current academic year. The three scientists are Sarah B. Cichy, Harmony Colella, and Monica Palta. Two earned their PhD degrees in 2011: Cichy at Leibniz Universität Hannover in Germany, and Colella at the University of California, Riverside. Palta earned her degree in 2012 at Rutgers.

[Read more](#)



It's a field of scientific discovery with practical applications that could be astounding: new drugs and vaccines to halt the spread of disease and infection, improved telecommunications linking people around the world, enhanced manu-



Arizona State University's first designated University Explorer, Scott Parazynski, has scaled Everest, orbited the Earth at 17,500 miles an hour and invented devices for surgery, spacewalking and the consumer market. Parazynski joins the Ira A. Fulton Schools of Engineering and the School of Earth and Space Exploration in the College of Liberal Arts and Sciences as a professor of practice on Oct. 1. [Read more](#)



The online news page, Discoveries, by the National Science Foundation (NSF) recently took note of Arizona State University biogeochemist Ariel Anbar, profiling his innovative work in undergraduate science education... "There's no substitute for taking students into the field

for a major grant from the Bill & Melinda Gates Foundation. "We are excited about this project because it exemplifies key design aspirations of ASU as a New American University," said ASU President Michael Crow. [Read more](#)

facturing capabilities and the very future of interplanetary exploration.... On Oct. 10, Nature Publishing Group and the Biodesign Institute at Arizona State University announced the launch of npj Microgravity, a new open access journal. [Read more](#)

when it comes to teaching them how we explore the unknown," Anbar says. "But the reality is most undergraduates taking geoscience courses don't get much field experience." His solution: Virtual Field Trips. [Read more](#)

ALUMNI SPOTLIGHT



Pye Pye Khin Zaw

ASU Alumna - 2013 BSc in Earth & Space Exploration

Pye Pye Khin Zaw is a spring 2013 graduate of Arizona State University's Earth and Space Exploration Bachelors in Science program. She works currently as a systems engineer for Bigelow Aerospace of Las Vegas, Nevada. Aiming toward a career goal of becoming a space mission project manager, she is currently working on a Masters in Engineering Management through distance learning at ASU's Ira A. Fulton School of Engineering. Space has long been in her sights.

"When I was little I vividly remembered my first meteor shower," she says. "I was fascinated with those lights in the sky — I still am in fact — and I was intrigued as how they came to be."

[Read more](#)

EVENTS

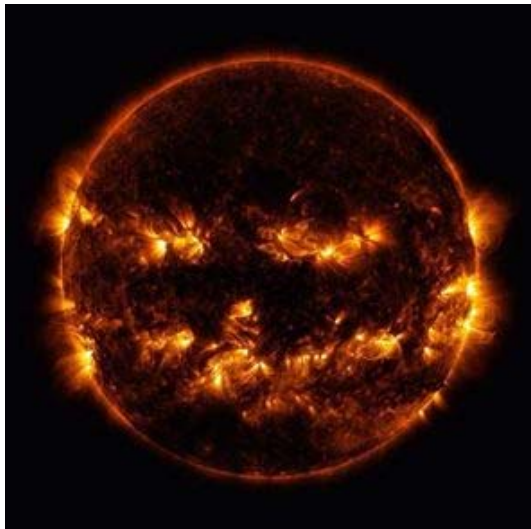


Earth & Space Exploration Day

Saturday, October 25
9 a.m. to 3 p.m.

ISTB 4 (Interdisciplinary Science and Technology Building 4), 781 East Terrace, Tempe – Rural Road between Terrace and Lemon – Free parking!

Come learn about the School of Earth and Space Exploration (SESE) at our FREE annual outreach event. See the exciting science and engineering activities of SESE and meet faculty, staff and students. [Read more](#)



Earth and Space Open House

Friday, October 31
7 p.m. to 10 p.m.

Special Halloween Program! Talks on "Spooky Things in the Universe" and "Ominous Comets," plus two planetarium shows featuring "Nefarious Nebulas."

And a family-friendly costume contest, with chances to win a small telescope.

Plus outdoor telescope sky viewing (weather permitting). For more details, see <http://earthspaceopenhouse.weebly.com>

To view our events calendar, click [here](#).

Facebook Twitter Website

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