

September 2014



## **Earth & Space Exploration Day is Saturday, October 25, 2014, 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!

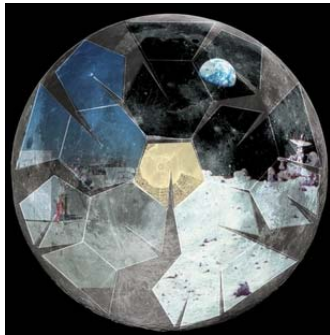
**Come learn about the School of Earth and Space Exploration (SESE) at our**

annual outreach event. See the exciting science and engineering activities of SESE and meet faculty, staff and students. [Read more](#)

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## RESEARCH NEWS

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What will it take to get us back to the Moon? The next thing we send to the Moon might very well come out of Kickstarter, rather than a national space agency, writes Jekan Thanga, assistant professor at ASU's School of Earth and Space Exploration, for the popular technology and culture website Boing. [Read more](#)



The scientific journal *Nature* has cited a 1978 paper by ASU's Peter Buseck and two colleagues who were then postdoctoral researchers at ASU as one of four "Milestone" papers in the field of crystallography. "It's an unanticipated but pleasant surprise that this paper would be



In its first billion years, the universe used massive stars to create nearly a hundred chemical elements. ASU researchers led by astrophysicist Frank Timmes of the School of Earth and Space Exploration are a key part of a new project to find out how that happened. [Read more](#)



Surprisingly, banning new construction in earthquake-hazard zones in California mostly increased nearby real-estate values, says a team of scientists, including ASU's Ramon Arrowsmith of the School of Earth and Space Exploration and Christopher Boone of the School of Sustainability. The park-like zones, plus



Professors Phil Christensen and Jim Bell from the School of Earth and Space Exploration provided Congressional testimony in support of NASA's planetary sciences program on Sept. 10. Both Christensen and Bell said recent cuts to the agency's Planetary Science Division have dramatically slowed the pace of new missions and future discoveries, and have created an air of uncertainty in the program. [Read more](#)



An innovative project between NASA and a group led by ASU's Expert and Citizen Assessment of Science and Technology (ECAST) is planning to give ordinary citizens a voice in the future of space exploration. Discussion will cover

cited as a milestone contribution 36 years after publication," says Buseck today.  
[Read more](#)

adjacent greenbelts added by developers, are viewed by homebuyers as desirable amenities and real estate values rise.  
[Read more](#)

such topics as planetary defense strategies, how to detect threatening asteroids and why the exploration of asteroids is part of the future of human space exploration  
[Read more](#)

## ALUMNI SPOTLIGHT



### Gregory Stewart ASU Alumnus - 1982 MSc in Geology

Gregory Stewart started out earning a BS in Earth Science from Indiana University in 1979. In 1982, he earned an MSc in Geology-Planetary Geology at ASU, which gave Gregory the opportunity to secure a job right out of ASU in Hydrocarbon Exploration for Shell. After working for Shell USA for about 10 years, Gregory left for Burbank, California, to work as a hydro-geologist in environmental consulting.  
[Read more](#)

## EVENTS



Earth and Space Open House  
Friday, September 26, 2014  
7 p.m. to 10 p.m.  
<http://astopenhouse.com>



### 3D Astronomy Shows in the Marston Exploration Theater

The Marston Exploration Theater is located on ASU's Tempe campus, in the Interdisciplinary Science and Technology Building IV. The theater employs Definiti SkyScan Planetarium technology using 4K projection systems that render Earth and Space Science themes in 3-D stereographic vision.

Shows are each Wednesday evening at 7:30 p.m. and Saturday afternoon at 1 and 3:30 p.m. Each show runs about 60 minutes.

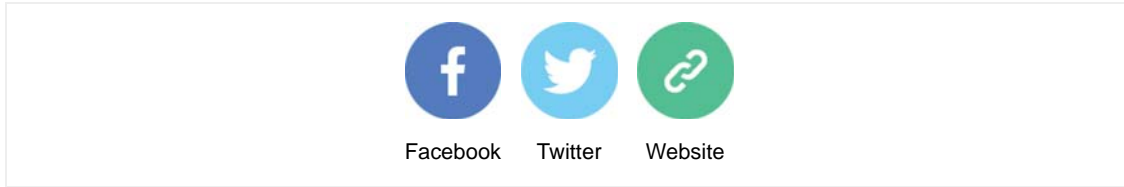
*To the Edge of the Universe and Everything in Between* is a live narrated journey from Earth to the cosmic background radiation. Stops on the way

include current space science news topics.

*The Search: Exploring Unknown Worlds* explores discoveries and current research on exoplanets (worlds beyond our Solar System). The presentation is a live 3-D exploration of known exoplanets in our neighborhood in space.

For schedules, see <http://sese.asu.edu/marston>

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



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**Our mailing address is:**

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