

Journey Through the Universe Family Science Day Presentations

Sunday February 13, 2011

In 'Imiloa Astronomy Center's Moanahökü Hall

9:30 - 10:15 am

Doris Daou: "The Moon at Home and in the Classroom!"

The past year has seen a plethora of new Lunar Education and Public Outreach programs and resources. From public outreach projects such as the 'International Observe the Moon Night' and 'MyMoon', citizen science projects such as 'MoonZoo', formal programs such as a suite of lunar teacher professional development workshops and the revitalized Lunar Sample Education Disk Program, the lunar community has been providing education and outreach opportunities for a diverse group of audiences across various platforms. We would like to show you some of the fun and exciting lunar Education and Public Outreach creations and invite you to join us in learning about and exploring "Our Moon".

10:30 - 11:15 am

Scott Fisher: "What's up? - a Talk Story Hour about Recent Discoveries in Astronomy"

In this presentation Dr. Fisher will talk about some of the exciting recent discoveries made at observatories on the Big Island and from around the world. There will also be time for a game of "Stump the Astronomer" where the speaker will (attempt to) answer questions from the audience.

11:30 - 12:15 pm

Kevin Grazier: "Earthlings Invading Mars"

NASA currently has two orbiters and two landers operational at Mars, and will be adding to that number this year by launching a rover named Curiosity. Kevin Grazier discusses some of the recent results from Mars, and what we might expect from the next Earthly visitor to the Red Planet.

12:15 - 1:15pm

Exhibitor viewing in Hall

Exhibits offered by the Observatories on Mauna Kea, NASA Lunar Space Institute, UHH Astrophysics Club, Visitor Information Station and many others will be open for viewing!

1:15 - 2:00pm

Brian Day: "The New Moon"

Our understanding of the Moon has changed dramatically due to results from a series of recent robotic lunar missions. Our old view of the Moon as an arid, static, and empty place has been replaced. Our new view of the Moon includes rich deposits of water ice, a wide variety of exotic compounds, a thin though potentially active atmosphere, and perhaps even a water cycle. This new understanding of our nearest neighbor in space has profound implications for understanding of our own origins and humanity's future on the Moon.

2:15 - 3:00pm

Sandra Dawson: "TMT - Thirty Meter Telescope"

The Exciting Journey of TMT, Past, Present and Future

3:15 - 4:00pm

Drs. Tim and Stephanie Slater: "Seeing the Universe with Different Eyes"

Recent technology allows astronomers to see the dynamic Universe from many different viewpoints. This interactive and entertaining session demonstrates novel tools and techniques astronomers use to observe the Universe by looking at seemingly common everyday objects through modern eyes.

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