

First Results from the James Webb Space Telescope

Dr. Alex Filippenko (U of California, Berkeley)
Smithwick Theater at Foothill College

We ask that attendees be vaccinated and boosted against COVID-19 and wear a mask while indoors at the event. Extra masks will be provided.

Parking is free during winter quarter 2023

The talk is part of the Silicon Valley Astronomy Lecture Series, now in its 23rd year.

We have a new supersensitive eye in the cosmic sky. Parked nearly one million miles from Earth, the James Webb Space Telescope (JWST) is 100 times more sensitive than the Hubble Space Telescope. JWST observes at "low" frequencies, from the red to the mid-infrared parts of the spectrum, offering new insights into a vast array of objects and processes -- including solar system formation, star birth and death, galaxy evolution, and, perhaps, the origins of life. The talk will include images and results from the first months of the telescope's operation.

Professor Alex Filippenko was voted the University of California, Berkeley's "best professor" nine times! He is the only astronomer to contribute to both research teams whose work earned the 2011 Physics Nobel Prize for discovering the acceleration of the expanding universe. He has produced five astronomy video courses with The Great Courses, co-authored an award-winning astronomy textbook, and appeared in about 100 TV documentaries. Among his many awards are the Education Prize of the American Astronomical Society and the Carl Sagan Prize for Science Popularization.

The lecture is co-sponsored by:

- The Foothill College Science, Tech, Engineering & Math Division
- The SETI Institute
- The Astronomical Society of the Pacific
- The University of California Observatories (including Lick Observatory).

Past lectures in the series can also be found on YouTube at:

<http://youtube.com/svastronomylectures>

and as audio podcasts at: <https://www.buzzsprout.com/1805595>

ASTRONOMY AT Foothill COLLEGE

Astronomy 10B, 10L, & Honors or, how I learned to stop worrying and love the supernova

Join Dr. Geoff Mathews in studying how astronomical events impact our lives here on Earth - from exploding stars, to black holes, to the very beginning and end of the universe! Astronomy lectures and labs satisfy the lab science general education requirement for graduation or transfer.

For more information, contact Dr. Geoff Mathews mathewsgeoff@foothill.edu

Observatory Is Open Weekly Fridays 9 pm to 11 pm, and Saturdays 10 am to noon



Observatory is operated in partnership with the Peninsula Astronomical Society

