PLENARY PROGRAM:
SCIENCE AND AEROSPACE FRONTIERS

SUN
05:50 PM PACIFIC TIME

Army of Ants: The Power of Working in Concert

Ali Hajimiri
Caltech

How antacid can safely and permanently store CO2 in the ocean and decarbonize shipping along the way

Jessa Adkins
Caltech

SUN
08:05 PM PACIFIC TIME

MISBELIEF

What Makes Rational People Believe Irrational Things

Dan Ariely
Duke University

Ballots and Bots: Assessing the AI Factor in 2024 Elections

Justin Hendrix
Tech Policy Press

MON
05:50 PM PACIFIC TIME

Dan Ariely
Duke University

Mislief

Dan Ariely

What Makes Rational People Believe Irrational Things

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Ballots and Bots: Assessing the AI Factor in 2024 Elections

Justin Hendrix
Tech Policy Press

MON
08:05 PM PACIFIC TIME

Wed
05:50 PM PACIFIC TIME

Wolverines from Montana to Mongolia: What a misunderstood species tells us about the future of wildlife in the face of climate change

Rebecca Watters
The Wolverine Foundation

IN SEARCH OF REGENERATIVE INTELLIGENCE

Thuja Popping
SogetiLabs

Wed
08:05 PM PACIFIC TIME

Thu
05:50 PM PACIFIC TIME

Thijs Popping
SogetiLabs

Thu
08:05 PM PACIFIC TIME
The James Webb Space Telescope Mission

Matt Greenhouse
Goddard Space Flight Center, Greenbelt, Maryland

The James Webb Space Telescope is the successor to the Hubble Space Telescope. It is the largest space telescope ever constructed and is giving astronomers a detailed (high-definition) view of the infancy of galaxies. The Webb is observing early epochs of the universe, finding the first detected light in the universe to determine how it started and what’s in the universe from the smallest building blocks to the most distant galaxies. The Webb is assessing the atmospheres to find evidence of life. The Webb’s science instrument payload includes five science instruments: far infrared spectrograph, near infrared camera, mid infrared imager, near infrared spectrograph, and photometry over the near-infrared and mid-infrared spectrum. NASA developed the JWST in partnership with the European and Canadian Space Agencies, with participation from 20 international partners. Launch of the telescope occurred during Christmas Day 2021, and initial commissioning was completed during June 2022, and advanced operations are now underway.

Neil Cornish
Montana State University

Gravitational Wave Astronomy: Shaking the Universe

Neil Cornish
Montana State University, Bozeman, Montana

In 1969, Gordon then-wadjuk astronomer was using the telescope to detect the presence of gravitational waves. Our universe is filled with gravitational waves, passing through the universe and giving us a view of the universe’s history. The signal is a pulse from a distant quasar, giving us a view of the universe’s history. The signal is a pulse from a distant quasar, giving us a view of the universe’s history. The signal is a pulse from a distant quasar, giving us a view of the universe’s history.