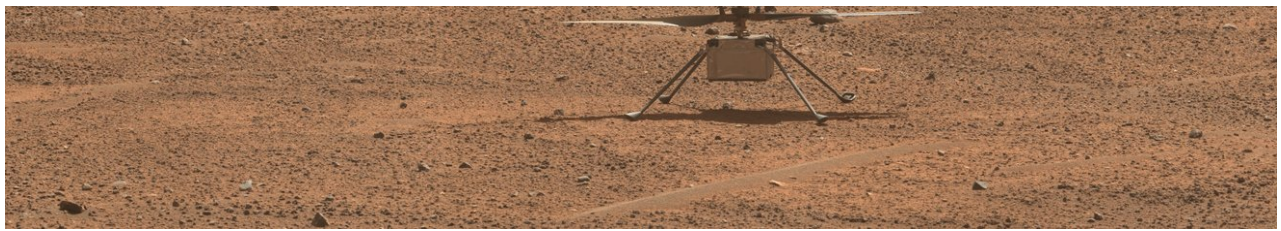




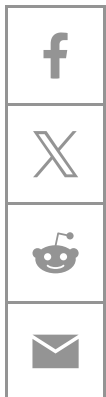
LECTURE SERIES

March 2024 - The Mavericks of INGENUITY: How NASA Extended the Mission of the First Mars Helicopter





This view of NASA's Ingenuity Mars Helicopter was generated using data collected by the Mastcam-Z instrument aboard the agency's Perseverance Mars rover on Aug. 2, 2023, the 871st Martian day, or sol, of the mission, one day before the rotorcraft's 54th flight. Credit: NASA/JPL-Caltech/ASU/MSSS



The Mavericks of INGENUITY: How NASA Extended the Mission of the First Mars Helicopter

Mar. 21

Time: 5 p.m. PST (8 p.m. EST; 0300 UTC)

The Ingenuity Helicopter first took to the Martian skies on April 19, 2021, proving for

the first time that powered, controlled flight was possible on another world. Designed as a technology demonstration that would perform up to five experimental test flights over a span of 30 days, the Mars helicopter surpassed expectations – repeatedly – only recently completing its mission after having logged an incredible 72 flights over nearly three years.

Join us for a live talk in which, through the framework of its pilots' "Favorite Flights," we'll learn how Ingenuity's team used resourcefulness and creativity to move beyond the helicopter's initial mission, transforming the rotorcraft from a successful tech demo into an invaluable scientific scouting tool for the Perseverance Rover, and how Ingenuity opens a world of possibilities for future exploration.

Speaker(s):

Dr. Havard F. Grip, Aerodynamics, Flight Control Lead, and Chief Pilot (Flights 1-37),
NASA/JPL

Dr. Martin Cacan, Guidance and Control

Analyst, Pilot (Flights 15-37), Guidance,
Navigation, Control Lead, and Chief Pilot
(Flights 38-72), NASA/JPL

Host:

Greg Ivan Smith, Office of Communications
and Education, NASA/JPL

Co-Host:

Sarah Marcotte, Mars Public Engagement,
NASA/JPL

Webcast:

[Click here to watch the event live on
YouTube](#)

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