

The Keck Institute for Space Studies  
presents the following lecture:

# Setting Sail to Ocean Worlds: The Science of the Europa Clipper Mission

Dr. Robert Pappalardo  
Europa Clipper Project Scientist

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Wednesday, December 4, 2024

4:30 PM Refreshments  
5:00 PM Lecture

Ramo Auditorium  
California Institute of Technology

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The Europa Clipper mission that launched in October 2024 promises to revolutionize our understanding of one of the most intriguing moons in the solar system: Jupiter's icy satellite Europa. Dr. Robert Pappalardo, a senior research scientist and fellow at NASA's Jet Propulsion Laboratory (JPL) and a leading expert on Europa, will deliver a guest lecture on the scientific objectives of this groundbreaking mission. The spacecraft is designed to conduct detailed reconnaissance of Europa's ice shell, subsurface ocean, surface and atmospheric composition, and geological activity. Using a suite of sophisticated instruments, Europa Clipper will monitor potential plumes of water vapor and provide information needed to assess Europa's habitability, addressing fundamental questions about the moon's potential to harbor life.

Register here or on our  
website: [kiss.caltech.edu](https://kiss.caltech.edu)



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of Strategic Communications  
and the GPS division



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Registration is required for this lecture.  
Seating is limited and is available on a first come, first served basis.