A long-wavelength look at Earth's neighbor

Abstract: Radio frequency measurements made by spacecraft and ground-based telescopes have proven to be valuable tools for characterizing planetary systems, both near and far. This is particularly true for our neighboring planet, Venus, whose surface is hidden beneath a thick cloud layer. Despite the similarity in size and orbital radius to Earth, the present climate and surface conditions on Venus are very different from Earth's. The difference in climate evolution between the two planets is key to understanding the limits of rocky planet habitability. In this talk, I will summarize the current state of knowledge of Venus following decades of (primarily) radio frequency measurements, followed by a discussion of upcoming spacecraft missions that will study the planet's geology, climate, and past habitability, to ultimately understand the evolutionary divergence of the two largest rocky planets of our solar system.

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September 27th | 11 AM EST
Suddath Seminar Room 1128
Parker H. Petit Institue for Bioengineering

Also on YouTube!

Venus: Too HOT To HANDLE

Social Event
MoSE Patio | 4 - 6 PM
Join us for food, drinks, and games!

Please **RSVP** for social event here:
You can also let us know of any dietary restrictions

Image credit: NASA/ESA

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