

**Location** : Hub101, 31416 Agoura Rd, Westlake Village, CA 91361

**Date: Thursday, Nov 9<sup>th</sup> , 6:00-9:00 PM**

**Dinner: Catered from Stonefire Grill (Courtesy of IEEE)**

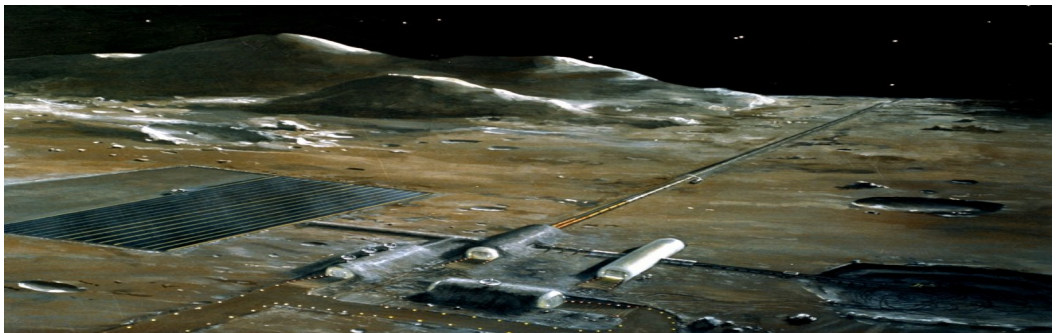
**Menu-Tri-tip, Chicken, Vegan pasta, Salad etc.**

**Register at: [www.ieee-bv.org/meet/2023-11-mixer](http://www.ieee-bv.org/meet/2023-11-mixer)**

**Program: 1) Introduction, 2) Scholarship Awards, 3) Lecture Presentation**

## **Lunar Robotic Village**

**Dr. Hoppy Price**  
*JPL/NASA/Caltech*



### **Abstract**

The European Space Agency (ESA) proposed a Moon Village in 2016 that would be a permanent international base station for both human and robotic activities. It was envisioned as a community for exploration, science, technology, resource utilization, and tourism. From 2016 to 2018, JPL performed studies for an initial robotic implementation of such an enterprise with a focus on developing an affordable and implementable architecture. An important aspect of the study was developing realistic cost estimates. Although the Lunar Village concept is not currently being pursued, some of the features could be incorporated in NASA's current plans for an Artemis Base Camp.

**Speaker Bio:** Hoppy Price is the Chief Engineer for NASA's robotic Mars Exploration Program. He was the Project System Engineer for the GRAIL mission to map the gravity field of the Moon and was the Configuration Engineer for the Cassini Saturn orbiter mission. He was a team member for NASA's Mars Design Reference Mission 5 and has also developed alternate architectures for human missions to Mars. Hoppy was the Project System Engineer for the Asteroid Redirect Robotic Mission (ARRM) during the formulation phase. He was the Flight System Engineer for the Prometheus/JIMO effort and has led and participated in many studies of spacecraft and advanced propulsion systems including interstellar missions, solar sails, and fusion rockets. Hoppy has B.S. in Engineering Science and M.S. in Nuclear Engineering degrees from the University of Texas at Austin.