



## **FALL 2017 SEMINAR SERIES**

DEPARTMENT OF OCEAN, EARTH, AND ATMOSPHERIC SCIENCES

3:00 PM – ROOM 200 IN THE OCEANOGRAPHY/PHYSICS BUILDING

THURSDAY, OCTOBER 5, 2017

### **Planetary Analogs: Science and Technology to Advance Robotic Planetary Exploration**

**Pablo Sobron, SETI Institute & Impossible Sensing**

Studies of different, extreme environments on Earth have revolutionized our understanding of how life on Earth might have emerged, and also have advanced our knowledge of possible environments where life could exist on other planets. To advance this knowledge further and prepare for the exploration of potential habitable environments elsewhere, there is a need for new, innovative in-situ exploration technologies and analytical methods. In this talk I will review our most recent field campaigns to planetary analog environments, from desert to Antarctic settings, where we have tested and refined new technologies and operational strategies for the in-situ astrobiological exploration of Mars, Europa, and beyond.

**AFTER THE SEMINAR, PLEASE JOIN US IN ROOM 404, THE  
ZANEVELD CONFERENCE ROOM, FOR COFFEE AND COOKIES, AND  
TO MEET WITH THE SEMINAR SPEAKER.**