

Physics and Physical Oceanography Seminar

## Public Lecture

### **The continuing search for life: from missions to Mars to exoplanet Surveys**

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**DATE:** Tuesday, Jun 1, 2021

**TIME:** 7:00 pm

**Place:** Webex (link will be sent out)

**ABSTRACT:** When we look into the vastness of the night sky, one of the biggest questions one can ask is if there is life beyond the Earth. Given the size of the Universe and the number places life might exist the answer is most likely yes there is life in the Galaxy and maybe even elsewhere in our own Solar System, but where might life be. In this talk, I will review the current understanding of where life might be in the Solar System and some of the evidence for life on Mars, Venus, and even on the moons of Jupiter. I will leap from the Solar System to discuss how in the coming decades astronomers expect to find Earth analogues orbiting other stars and how we will search for signatures of technology and of biology and maybe confirm that we are not alone in the Galaxy.

**ALL ARE WELCOME!**