



**BUENAVENTURA
AEROSPACE AND ELECTRONIC SYSTEMS**

Imaging Other Worlds

Dimitri Mawet, PhD

Thursday February 21, 2019 at 6:30 pm

HUB 101, Room 107C

31416 AGOURA ROAD #105, WESTLAKE VILLAGE, CA, 91361

Meetings are free and open to the public



The discovery of thousands of exoplanets over the past 20 years taught us that our solar system is just one example among a mind-boggling variety of world architectures. Most of these planetary systems were detected by indirect techniques, which have ushered in the field of exoplanetology. In this talk, Dr. Dimitri Mawet, who teaches astronomy at Caltech, will focus on direct, high-contrast imaging, and spectroscopy. Beyond taking striking pictures of other worlds, this technique has yielded the most detailed remote-sensing measurements of exoplanet atmospheres to date.

About the Speaker

Dr. Dimitri Mawet is an associate professor of astronomy at Caltech, and senior research scientist at JPL. His research focuses on extrasolar planetary systems, and optical/infrared instrumentation. He served as a staff astronomer and instrument scientist for the VLT at the European Southern Observatory. He invented the Vector Vortex Coronagraph, an instrument to image exoplanets, and authored about 400 scientific publications. Dimitri Mawet earned a Ph.D. in Sciences in 2006 from the University of Liège, was a Marie Curie fellow at the Paris-Meudon Observatory, and at the Institut of Astrophysique Spatiale in Orsay.



