

LSGI Distinguished Lecture Series

“The ExoMars Landing Site Selection Process”

Overview

It was our pleasure to invite Prof. Stephanie C. Werner, Department of Geosciences University of Oslo, Norway, to deliver a seminar of the LSGI Distinguished Lecture Series on 20 Mar 2019.



Biography

Prof. Stephanie C. Werner is currently professor for geophysics and planetary sciences at the Oslo university. She is team leader for the "Earth and Beyond" group at the Centre for Earth Evolution and Dynamics at the Department for Geosciences of the university. She is also director of the Norwegian Research School for Dynamics and Evolution of Earth and Planets, a graduate school. Her education began at the University of Kiel, Germany, Stephanie studied geophysics and already early on remote sensing of the terrestrial planets. She got her PhD in 2005 for work on the Chronostratigraphy of Mars performed with ESA Mars Express data. During a 2.5 year postdoc at the Geological Survey of Norway, her work focused on mapping of the gravity and magnetic anomalies of off-shore regions around Norway and the Arctic ocean areas. Since 2009, Stephanie works at the University of Oslo.

The ExoMars Landing Site Selection Process

The presentation will introduce the landing site selection process as designed by European Space Agency (ESA) for the ExoMars Landing Site Selection Working Group. There will be an overview on the scientific and engineering constraints, the reasoning for the candidate landing sites and the selected final site. The two last landing site candidates Oxia Planum and Mawrth Vallis will be described in more detail.