

SEMPARIS – Séminaires en région parisienne

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Séminaire SCOPI Paris-Saclay

Jeudi 12 Septembre 2019, 11 :00

IPHT, (voir dans annonce)

Domaines : physics

Titre : *SEIS/InSight on Mars : first 9 months of Mars seismic monitoring*

Orateur : **Philippe Lognonné (Institut de Physique du Globe de Paris)**

Résumé : *InSight landed on Mars on November, 26th, 2018 and deployed on the Martian in the following 2 months the SEIS experiment, a 6 axis seismometer protected by several layers of thermal protection in addition to a Wind and Thermal Shield. This robotic deployment is a first in Planetary Science and it is also the first time that a complete geophysical station is deployed, with seismic, magnetic, geodetic, heat flow and weather sensors.*

We present the challenge faced successfully by the InSight team in the SEIS deployment and provide an overview of the first observations made by the experiment after 9 months on Mars, including the first detection of Mars-quakes and their analysis for determining the first constraints on Mars interior structure and Mars seismicity.

(Auditorium Pierre Lehmann, Bât.200 - Campus Universitaire d'Orsay)
