



PPOSS Planetary Protection Tutorial 101

July 12-13, 2018

Caltech, Keith Spaulding building, Room 410,
1200 E. California Blvd. Pasadena, CA 91125

Agenda

Day-1: July 12th, 2018

09:30-10:00	Registration
10:00-10:10	Welcome Remarks <i>(TBD)</i>
10:10-10:25	The Planetary Protection of Outer Solar System Bodies (PPOSS) Project <i>(Nicolas Walter, PPOSS Coordinator)</i>
10:25-10:30	Introduction of the Training's agenda, speakers and tools <i>[the PPOSS Tutorial Handbook & Website]</i> <i>(Alissa Haddaji, COSPAR-PP Project Officer)</i>
10:30 -11:00	Planetary Protection Basics <i>[Definition, History, Requirements, Categorization]</i> <i>(Gerhard Kminek, COSPAR-PPP Chair, ESA PP Officer)</i>
11:00 -11:15	Q&A
11:15-11:30	Coffee Break
11:30-11:45	COSPAR Planetary Protection Panel <i>(Gerhard Kminek, COSPAR-PPP Chair, ESA PP Officer)</i>
11:45 -11:50	Q&A
11:50-12.05	Planetary protection management at JAXA <i>(Hajime Yano, COSPAR-PPP Vice Chair JAXA-ISAS)</i>





12:05 -12:10	Q&A
12:10-12:25	Planetary protection organization at ESA <i>(Gerhard Kminek, COSPAR-PPP Chair, ESA PP Officer)</i>
12:25 -12:30	Q&A
12:30-12:45	Planetary protection at NASA <i>(Andy Spry, SETI Institute, Advisor to NASA-PP Officer)</i>
12:45-12:50	Q&A
12:50-14:15	Lunch
14:15-14:45	Basics of microbiology <i>(Petra Rettberg, DLR Institute of Aerospace Medicine Astrobiology Group Leader)</i>
14:45-15:00	Q&A
15:00-15:30	Bioburden control measures <i>(Andy Spry, SETI Institute, Advisor to NASA-PP Officer)</i>
15:30-15:45	Q&A
15:45-16:00	Coffee Break
16:00	Group Photo

Day-2: July 13th, 2018

09:30-09:45	Case Study COSPAR Category II - BepiColombo <i>(Gerhard Kminek, COSPAR-PPP Chair, ESA PP Officer)</i>
09:45-9:50	Q&A
09:50-10:20	Case Study COSPAR Category III -Exo-Mars Trace Gas Orbiter <i>(Gerhard Kminek, COSPAR-PPP Chair, ESA PP Officer)</i>
10:20-10:30	Q&A
10:30-10:45	Coffee Break
10:45-11:15	Case Study COSPAR Category IVa -InSight <i>(James Nick Benardini, InSight Planetary Protection Manager, JPL)</i>
11:15-11:30	Q&A
11:30 -12:00	Case Study (Cat V: Unrestricted Earth Return) Hayabusa-1&2 <i>(Hajime Yano, COSPAR-PPP Vice Chair, JAXA-ISAS)</i>
12:00-12:15	Q&A
12:15-13:45	Lunch
13:45-14:15	Case Study (Cat V: Restricted Earth Return) Mars Sample Return <i>(Gerhard Kminek, COSPAR-PPP Chair, ESA PP Officer)</i>





14:15-14:30	Q&A
14:30-15:00	Managerial Lessons Learned <i>[PP Good Practices, dos and don'ts, and Check List]</i> <i>(Alissa Haddaji, COSPAR-PP Project Officer)</i>
15:00-15:15	The International Planetary Protection Handbook- Next Steps/Feed Back Form <i>(Alissa Haddaji, COSPAR-PP Project Officer)</i>
15:15-15:30	Coffee Break
15:30-16:00	Round Table <i>(G. Kminek, A. Spry, J.N. Benardini, H. Yano, P. Rettberg)</i>
16:00-16:15	Wrap-Up <i>(Nicolas Walter, PPOSS Coordinator)</i>
16:15	Adjourn

Lecturers (in alphabetical order):

- James Nick Benardini (JPL, USA)
- Alissa Haddaji (COSPAR, France)
- Gerhard Kminek (ESA, Europe)
- Petra Rettberg (DLR Koln, Germany)
- Andy Spry (SETI Institute, USA)
- Nicolas Walter (ESF, France)
- Hajime Yano (JAXA/ISAS, Japan)

