

PHYSICAL COLLOQUIUM
INVITATION

Monday, 27.01.2020, 4.15 p.m., W2-1-148

speaks

**Phd. Olivier Witasse,
project scientist, ESTEC,
Noordwijk, The Netherlands**

about

“ESA JUPITER ICY MOONS EXPLORER MISSION”

JUICE - JUPITER ICY MOONS EXPLORER -

is the first large mission in the ESA Cosmic Vision programme.

The mission was selected in 2012, and the launch is planned in
May 2022 from Kourou. Following a 7.5 year cruise phase,

JUICE will arrive at Jupiter in October 2029, and will spend three years
characterizing the Jovian system, the planet itself, its giant magnetosphere,
and the giant icy moons: Ganymede, Callisto and Europa.

JUICE will then orbit Ganymede for ~9 months.

The two main goals of the mission are to explore the icy moons of Jupiter as possible habitable worlds,
and to explore the Jupiter system as an archetype of gas giants.

The talk will present the mission, spacecraft, instruments, science and its challenges!

All interested persons are cordially invited.

Sgd. Prof. Dr. Björn Poppe