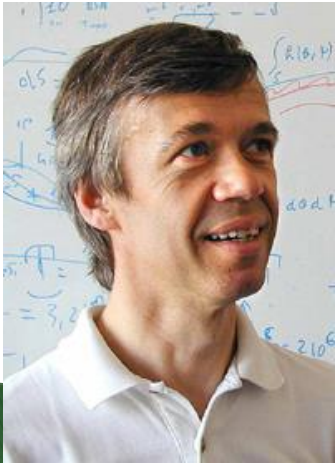


# Interior dynamics and volcanism on the icy moons of Jupiter and Saturn

Friday, January 24, 2014

OPS 140

4:00 – 5:00pm



The active cryovolcanism on Enceladus is one of the major discoveries of the Cassini mission. The lack of obvious volcanic features on Titan makes the origin of the short-lived atmospheric methane quite enigmatic. The recent discovery of plumes on Europa is better understood after it was demonstrated that Enceladus' plume is brighter at apoapsis. Tidal forces seem to be a major component driving the interior dynamics of those icy moons. Comparing the characteristics of those icy moons help us understand the processes that have driven their evolution and assess their potential for habitability.

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