



## **Planetary radio emission, what we learnt from our solar system, what to expect for extra-solar planets**

S. L. G. Hess  
(1) LASP, University of Colorado, USA

### **Abstract**

The radio emissions from the planets of our solar system have been studied since decades. Their properties are closely related to the plasma characteristics in the source region and to the magnetosphere dynamics. Two cases have been extensively studied: the Earth's and Jupiter's radio emissions. These two cases present very different aspects, due to both the different plasma conditions in the source regions and to different acceleration processes at Earth and Jupiter.

I will present the common points and the differences between this two cases and discuss what to expect for other planets and extra-solar planets.