

## **The Huygens Atmospheric Structure Instrument (HASI) onboard the Huygens probe**

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In the framework of the Cassini-Huygens mission towards the Saturnian system, the Huygens Atmospheric Structure Instrument (HASI) is a multi-sensor package which has been designed to measure the physical quantities characterizing the atmosphere of Titan during the Huygens probe entry and descent on Titan and at its surface. HASI sensors are devoted to the study of Titan's atmospheric structure and electric properties, and to provide information on its surface, whether solid or liquid. HASI will mainly contribute to the Huygens probe entry and trajectory reconstruction monitoring axial and normal accelerations and providing direct pressure and temperature measurements during the descent.