



Contribution ID: 27

Type: Oral Presentation

## Brown Dwarfs and Brown Dwarf stars: what is the difference and the observational evidence for the existence and presence of both in the Solar System

*Wednesday, 5 July 2017 14:40 (20 minutes)*

Brown Dwarfs are sub-stellar objects, somewhat between gas giant planets and small stars. Brown Dwarf Stars are the remains of a main sequence star that has gone through the white dwarf stage after releasing its outer layers of gas. These stars are therefore surrounded by clouds of ionised gas. The Brown Dwarf Star stage is reached when the core of the once main sequence star, no longer emits large amounts of visible light and may only emit infrared radiation. In this paper, I provide observational evidence for the existence and presence of both types of objects inside the Solar System.

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**Session Classification:** Astrophysics

**Track Classification:** Track D1 - Astrophysics