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ΣΕΜΙΝΑΡΙΟ

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Θέμα: **Photochemical aerosol formation in planetary atmospheres: Lessons from Titan & studies in exoplanets**

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Ημερομηνία: **Παρασκευή** 20-5-2016

Τόπος: **Εργαστήριο Αστρονομίας, ΑΠΘ**

Ώρα: **13:00**

Περίληψη:

Photochemical aerosols are present in many atmospheres of our solar system and beyond. Characteristic example from our neighborhood is Saturn's moon, Titan, where aerosols have a major impact on the properties of its atmosphere. The Cassini/Huygens space mission revealed a complex and intriguing picture of aerosol formation in the thermosphere of this moon, which for the first time sheds some light on the involved mechanisms. Photochemical aerosols are present also in the Giant planets (Jupiter, Saturn), as well as, the atmosphere of Pluto based on the latest observations from the New Horizons space mission. Moreover, heterogeneous opacities (clouds and aerosols) are required for the explanation of exoplanet observations. I will present an overview of the latest aerosol observations at different environments, and discuss the possible processes leading to their formation.

Η ομιλία θα μεταδοθεί ζωντανά στη σελίδα: http://www.astro.auth.gr/seminars/live/live.html