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Segreteria:
Accademia Gioenia,
Via Vittorio Emanuele 8
95131 Catania
Tel./Fax: 095 537998
email: accademiagioenia@alice.it
www.unict.it/gioenia

ACCADEMIA GIOENIA DI CATANIA



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**SOLAR TRENDS:
EARTH CLIMATE CHANGING?**

Relatore:
Prof. Jean-Pierre Rozelot
Astronomo
Observatoire de la Côte d'Azur
Department FIZEAU – Francia

Catania – Venerdì 16 maggio 2008
ore 17.00

Osservatorio Astrofisico
Via S. Sofia 78, Catania

In this lecture, a description of the most recent results on solar variability and its possible influence on the Earth's climate and atmosphere will be addressed. We will explore the challenges facing researchers studying solar-terrestrial physics in their interdisciplinary work to understand and predict the global effects from the Sun's influence. In a first part, we will focus on the energy transport from the Sun's interior to Earth's atmosphere, describing the role of the new shallow layer called leptocline. Then, the influences that can lead to varying solar signals and how they affect long-term global climate change will be presented. We will conclude by a brief summary of strategies and requirements for future research.

La S.V. è cortesemente invitata ad intervenire.

*IL PRESIDENTE
Prof. Giorgio Montaudou*