

Physics Colloquium

Michigan Technological University

Thursday, September 13, 2007

4:00 pm

Room 139, Fisher Hall

TAUVEX: The Space Telescope of Israel

Dr. Noah Brosch

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Abstract

Tel Aviv University's Ultraviolet Explorer is a three-telescope small payload scheduled to be orbited in 2008 to study ultraviolet radiation from celestial objects. Its capabilities are similar to those of NASA's GALEX telescope, with a few important differences. I will first give a brief introduction to UV astronomy, then describe the scientific and engineering trade-offs in the design of TAUVEX. I will explain the unique mode of operating an astronomical survey experiment on-board a geo-synchronous satellite, and will dwell briefly on the expected scientific returns.

Biography

Noah Brosch obtained his PhD in 1983 from the Leiden University in the Netherlands. He has been connected with Tel Aviv University's Wise Observatory since then, and serves as the Director since 2000. He is also a staff member of the Department of Astronomy and Astrophysics and teaches freshman Physics courses as well as graduate-level astrophysics courses. At present, he has six graduate students (3 MSc and 3 PhD).

