



**Cleveland Astronomical Society**  
**Thursday, May 6, 2004 Meeting Announcement**

At the CanalWay Center, Cleveland Metroparks, Off E. 49<sup>th</sup> Street, Cuyahoga Heights

**“Dark Energy in the Universe”**

**Dr. Dragan Huterer**

**Research Associate in Astrophysics**

**Physics Department, Case Western Reserve University**

*Also, he has accepted a staff position at the Center for Cosmology in Astrophysics  
In Chicago beginning next fall.*

Direct evidence from type 1A supernovae and indirect evidence from other cosmologic measurements imply the existence of dark energy—a smooth component that makes the expansion of the universe accelerate. Cosmologists estimate that dark energy, a mysterious entity whose nature and properties are poorly understood, contributes about 70% of the total energy density of the universe. In his presentation Dr. Huterer will explore the conundrum that dark energy presents to cosmology and particle physics. Further, he will discuss a variety of methods that can be used to delimit the properties of dark energy.