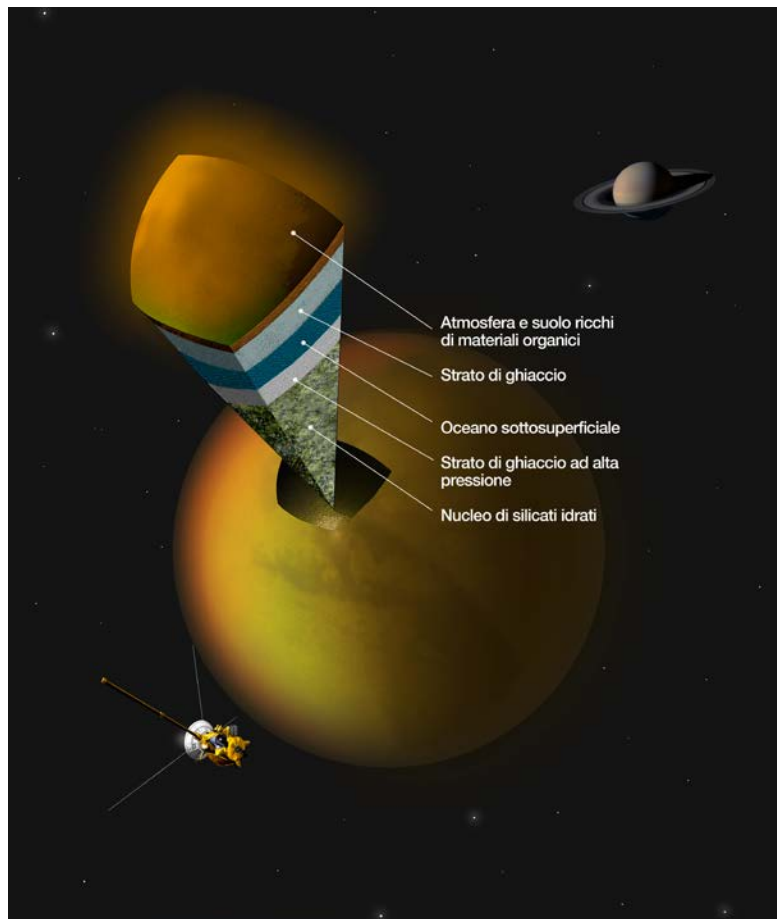


**BOSTON
UNIVERSITY**

**JOINT SEMINAR
ASTROPHYSICS & SPACE PHYSICS**

"Titan from the Inside Out"



**Jonathan Lunine
Cornell University**

**Friday, February 22, 2013
Refreshments at 3:30pm in CAS 500
Talk begins at 4:00pm in CAS 502**

Abstract:

Saturn's moon Titan, large and with a dense atmosphere, has always beckoned as an intriguing site to look for prebiotic or biotic processes. Now Cassini has found strong evidence for a subsurface ocean, one that might be in contact with warm silicates. I will describe how the observations were done, a tour de force of precision radio science, and discuss the astrobiological implications.