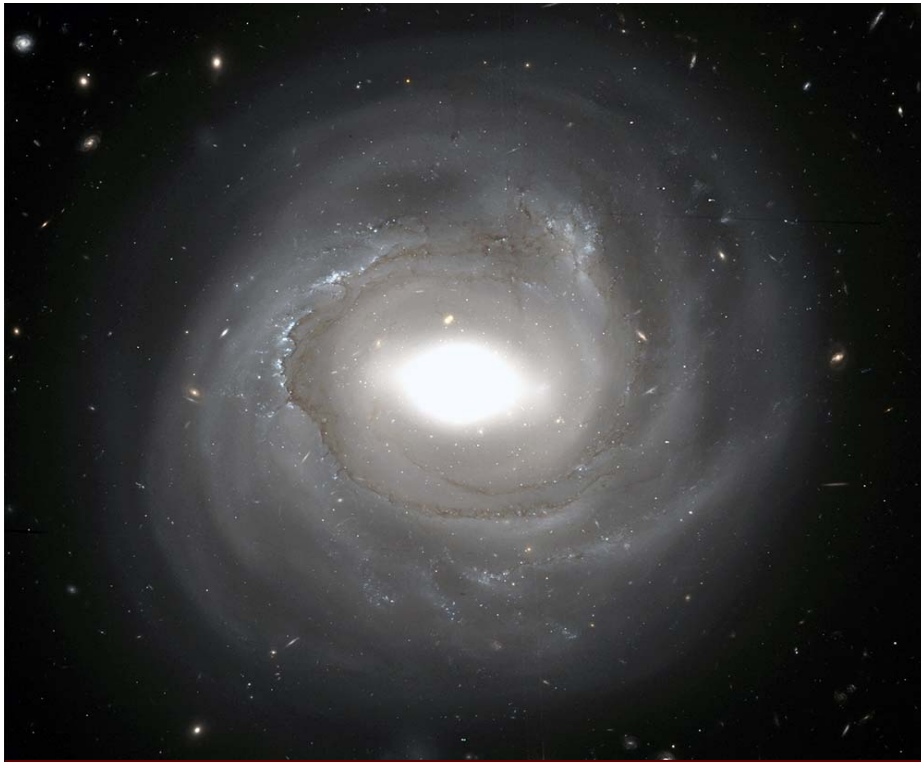


# TAMIU LAMAR BRUNI VERGARA PLANETARIUM PRESENTS:



## THE AGE OF THE UNIVERSE AND DARK ENERGY.

The Lamar Bruni Vergara Planetarium at Texas A&M International University will host a speaker event at 6:30 p.m. and at 7:30 p.m. on Saturday, September 29, featuring Texas A&M astronomer Lucas Macri. A free star party will follow the talk.

How old is the Universe? How does the Hubble Space Telescope allow us to measure distances to over 30 galaxies? What is dark energy?

Astronomer Lucas Macri will discuss the astronomical techniques used to answer these fundamental questions and talk about several ongoing and planned projects to further improve our measurement of the age of the Universe and better understand the properties of "dark energy", a mysterious component of the Universe that is accelerating its expansion.

**Doors open at 6:00pm for a Planetarium  
Open House - Free Admission**

**SEPTEMBER 29th**

**6:30PM** *Spanish presentation*

**7:30PM** *English presentation*

**LBV Science Center Room 102**

**8:30PM** *Star Party*

### **Dr. Lucas Macri**

Born Buenos Aires, Argentina, August 1972

B.S. in Physics, Massachusetts Institute of Technology,  
June 1995

Ph.D. in Astronomy, Harvard University, November 2001

Hubble post-doctoral fellow & Goldberg post-doctoral  
fellow, National Optical Astronomy Observatory, 2002-  
2008

Assistant Professor of Physics & Astronomy and member  
of the Mitchell Institute for Fundamental Physics & As-  
tronomy, Texas A&M University, 2008-present



Texas A&M International University

Lamar Bruni Vergara Planetarium

Free Admission

For more information please call

956. 326.2463

[www.tamiu.edu/planetarium](http://www.tamiu.edu/planetarium)

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