

MONTCLAIR STATE UNIVERSITY

Margaret and Herman Sokol Science Lecture

Gravitation

From Galileo to Einstein and Beyond

Honoring the 400th anniversary of first use of the telescope for astronomical observations by Galileo and celebrating "International Year of Astronomy"

October 20, 2009
8:00 p.m. at Kasser Theater

KEYNOTE SPEAKER

Dr. Eugenio Coccia

Renowned Italian physicist

Dr. Coccia is the director of the INFN National Laboratory of Gran Sasso, the world's largest underground laboratory for astroparticle physics. Most recently, he was full professor of gravitational physics at the University of Rome Tor Vergata.

LECTURE DESCRIPTION

Gravitation is responsible for keeping the Earth and the other planets in their orbits around the Sun, for keeping the Moon in its orbit around the Earth, and for heating the interiors of stars to very high temperatures allowing the formation of the chemical elements we need for life. The talk will describe the breakthroughs of Galileo Galilei and Isaac Newton and the vision of Albert Einstein who described gravity as a curvature of spacetime, making it possible for us to understand fascinating cosmic phenomena like gravitational waves, black holes and 'spaghettification.'

Sponsored by the College of Science and Mathematics and the Joseph and Elda Coccia Institute for the Italian Experience in America



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Tickets are FREE to Montclair State students, faculty, staff, and alumni at Kasser Theater Box Office. All others: \$15

For more information call 973-655-5352 or e-mail jaberj@mail.montclair.edu