Cosmic Secrets Unlocked
The Bright and Dark Sides of Our Universe

Featured Speakers:
Prashanth Jaikumar, PhD
Department of Physics and Astronomy
California State University, Long Beach

Michele Vallisneri, PhD
Department of Physics
Jet Propulsion Laboratory
California Institute of Technology

Thursday, March 14, 2013
Registration and Reception: 6:30 PM
Program and Presentation: 7:00 PM
NEW LOCATION!! The Chartroom at
California State University, Long Beach
Space is limited and reservations are required
RSVP online by March 9th at Beach-Physics.com

Cosmology studies both the origins and the future of our Universe. High precision observations of distant supernovae, galaxies, and whispers of radiation from the Big Bang in the past decade have revolutionized this science – unlocking a vast vault of cosmic secrets. We are now in a position to answer questions about the shape and size of the universe, what it might be made of, and how it got that way. Join us as Drs. Jaikumar and Vallisneri summarize our new understanding and provide a look forward to what cosmological discoveries await us in the coming decade.
Dr. Prashanth Jaikumar received his MS in Physics from the Indian Institute of Technology, Delhi in India, and his PhD in Theoretical Physics from the State University of New York at Stony Brook in 2002. He did post-doctoral work at McGill University in Montreal, the Argonne National Laboratory in Chicago, and is currently a member of the CSULB Physics faculty. He has proposed theories about the early evolution of the Universe, the nature of neutron stars and their impact on gravitational waves, and has published close to 50 research papers. In 2010, he was awarded a fellowship from NASA to carry out research in gravitational waves, and is presently a recipient of the Cottrell College award for young scientists from the Research Corporation for Scientific Advancement.

Dr. Michele Vallisneri received his MS from the University of Parma in Parma, Italy and his PhD in Theoretical Astrophysics from Caltech in 2002. He did his post-doctoral work at NASA Jet Propulsion Laboratory in Pasadena, and is currently a member of NASA's gravitational wave core team. He has published important results in the development of advanced data-analysis techniques and tools for gravity waves, both from space and from Earth-based observatories. In 2010, his contribution on gravitational waves was published in the Pars Foundation's "Findings on Elasticity", featuring the work of 50 scientists and artists who shape the way we look at the world today. He is also the producer of a DVD documentary on gravitational waves, the cosmic messengers of Einstein's theory of general relativity.

Directions and Parking Information:

Directions: Enter campus from 7th St. or Bellflower Blvd.

Parking: Purchase a $5 parking permit (from a yellow dispenser) in Lot 4. Parking for the general public is available in Lot 4 or 1 starting at 6:00 pm

RSVP by March 9, 2013 at Beach-Physics.com or call (562) 985-7446

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