

Department of Physics  
University of Maryland  
College Park, MD 20742  
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# DEPARTMENT OF PHYSICS

UNIVERSITY OF MARYLAND

[www.physics.umd.edu](http://www.physics.umd.edu)

## SCCHEDULE OF COLLOQUIA

Spring 2008  
College Park, MD 20742

<http://www.physics.umd.edu/events/colloquia>

# SPRING 2008 SCHEDULE OF COLLOQUIA

## UNIVERSITY OF MARYLAND DEPARTMENT OF PHYSICS

February 05  
**Harvey Brown**, Oxford University, UK  
Why do rods contract? Extending John Bell's "Lorentzian pedagogy" into general relativity

February 12 - Joint Physics and Astronomy Colloquium  
**Jeremiah Ostriker**, Princeton University  
Concordance Cosmology: is it correct?

February 19 - Joint Physics and Astronomy Colloquium  
**Martin White**, University of California - Berkeley  
The echo of Einstein's greatest blunder

February 26  
**Charles Falco**, University of Arizona  
The Science of Optics: The History of Art

March 04 - Shih-I-Pai Lecture  
**Eugenia Kalnay**, University of Maryland  
Amidst the chaos, good predictions: How Meteorology beats the odds

March 11  
**David Wineland**, National Institute of Standards and Technology, Boulder  
Scaling a trapped-ion quantum information processor

March 25  
**David Nelson**, Harvard University  
Gene Surfing in Microorganisms

April 01  
**Dennis Papadopoulos**, University of Maryland  
Fundamental Physics Issues on Radiation Belt Dynamics and Remediation

April 08  
**Bradley Filippone**, California Institute of Technology  
What's so Cool about Ultra-Cold Neutrons?

April 15  
**Michael Peskin**, Stanford Linear Accelerator Center  
Dark Matter in the Cosmos and in the Laboratory

April 22  
**Jean Dalibard**, Laboratoire Kastler Brossel, France  
Cold atoms in Flatland

April 29  
**Raissa D'Souza**, University of California - Davis  
Growing, Jamming, and Changing Phase

May 06  
**Alain Aspect**, Institut d'Optique, France  
From Einstein's intuition to quantum bits: A new quantum age?

May 13 - W. J. Carr Lecture  
**John Clarke**, University of California Berkeley  
The Ubiquitous SQUID: From Cosmology to Medicine

ALL COLLOQUIA ARE FREE OF CHARGE AND ARE HELD IN THE  
PHYSICS LECTURE HALL (1410 PHYSICS BUILDING)  
AT 4:00 PM ON TUESDAYS

Colloquia are preceded by refreshments at the same location, beginning at 3:30 PM.  
Both events are open to the public. There is a modest charge for refreshments.

Parking is available in Parking Garage 2 (PG2), across the street from the Physics  
Lecture Hall. An attendant will give you a parking permit at the garage. For further  
information, please call the Physics Department at 301.405.5946 or visit:  
[www.physics.umd.edu/events/colloquia](http://www.physics.umd.edu/events/colloquia)