

Science on Saturday

Princeton University Plasma Physics Laboratory
Lecture Series



January 10

LEARNING DIFFERENCES IN A DIGITAL WORLD: A NEW VISION

by Gordon Sherman, Ph.D., Executive Director,
Newgrange School and Education Center, Princeton, NJ

January 17

IS GOD A MATHEMATICIAN?

by Mario Livio, Ph.D., Senior Astrophysicist,
Space Telescope Science Institute, Baltimore, MD

January 24

POLYSACCHARIDES: FROM WASTE PRODUCTS TO SMART MATERIALS

by Caroline Schauer, Ph.D., Assistant Professor,
Department of Materials Science and Engineering, Drexel University, Philadelphia, PA

January 31

MICROPLASMAS

Jose Lopez, Ph.D., Department of Applied Science & Technology,
Saint Peter's College, Jersey City, NJ

February 7

LEFT - RIGHT ASYMMETRY IN THE UNIVERSE

by Dilip K. Kondepudi, Ph.D., Thurman D. Kitchin Professor of Chemistry,
Department of Chemistry, Wake Forest University, Winston-Salem, NC

February 14

MAPPING THE UNIVERSE

by Michael Strauss, Ph.D., Department of Astrophysical Sciences,
Princeton University, Princeton, NJ

February 21

ILLUSION AND REALITY: AT THE BOUNDARY OF ART AND SCIENCE

by Susana Martinez-Conde, Ph.D., Director, Laboratory of Visual Neuroscience,
Barrow Neurological Institute, Phoenix, AZ

February 28

NO PROGRAM — DOE'S High School Science Bowl

March 7

NO PROGRAM — DOE'S Middle School Science Bowl

March 14

OUTBREAK OF CONTACT LENS-RELATED FUSARIUM KERATITIS IN 2006: A LESSON IN MICROBIAL KERATITIS AND CONTACT LENS CARE

by David S. Chu, M.D., Assistant Professor, Ophthalmology Institute of
Ophthalmology and Visual Science — New Jersey Medical School — UMDNJ, Newark, NJ

SCIENCE ON SATURDAY is a series of talks geared toward high school students, but open to all. Students, teachers, parents, and community members are welcome. There is no fee for the program.

TIME: Lectures begin promptly at 9:30 a.m. and usually last one hour followed by a moderated question-and-answer session which typically ends by 11:15 a.m.

REGISTRATION: Register on site prior to each session. No pre-registrations accepted. Seating is on a first-come first-served basis.

CANCELLATIONS: If it becomes necessary to cancel a session due to inclement weather, laboratory or national emergency, a message will be left on the Science-on-Saturday Hotline at (609) 243-2121.



Princeton Plasma Physics Laboratory

Talks will be held in the Auditorium of the Princeton Plasma Physics Laboratory. Please note that PPPL is on the James Forrestal Campus on Route 1 North in Plainsboro, and not on the University's main campus in Princeton.

Presently, PPPL, a federal facility, is taking heightened security measures because of the September 11 national tragedy.

Upon arrival, all adult visitors must show a government-issued photo ID. This could include a passport or a driver's license. Non-U.S. citizens must show a photo ID, plus provide the following information: citizenship, date of birth, and place of birth.

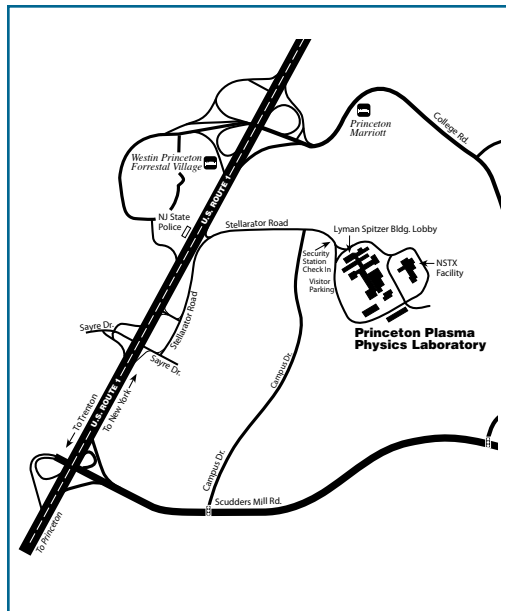
For the welfare of both our staff and visitors, PPPL security staff retain the right to inspect vehicles and personal packages such as briefcases, satchels, bookbags, and purses.

The staff and facilities of the Princeton Plasma Physics Laboratory are a valuable and unique resource for students and teachers. Meet the challenge of exploring the unknown and share the excitement of the journey. Join us in our science programs.

Science on Saturday

A series of talks geared toward high school students but open to all, the program draws more than 300 students, teachers, parents, and community members each Saturday. Topics are selected from the forefront of research in a variety of disciplines. The lectures are given by scientists, mathematicians, and other professionals involved in cutting-edge research. The program runs January through March.

For additional information please visit our website at: <http://www.pppl.gov>



**Princeton Plasma Physics Laboratory
James Forrestal Campus
U.S. Rt. 1 North
Plainsboro, New Jersey**

2009 Science on Saturday Program

Science Education Program

**U.S. Department of Energy's
Princeton Plasma
Physics Laboratory**