



# Science on Saturday

Princeton University Plasma Physics Laboratory  
Lecture Series



February 2

## THE PROBLEM OF LONGITUDE AND THE BEGINNINGS OF CLASSICAL MECHANICS IN THE 17TH CENTURY

by Prof. Michael Mahoney, Department of History, Princeton University, Princeton, NJ

February 9

## WHAT DO STUDIES OF THE SOLID EARTH TELL US ABOUT LIFE ON PLANETS?

by Prof. Charles Langmuir, Department of Earth and Environmental Sciences, Columbia University, New York, NY

February 16

## WHO WANTS TO BE A SCIENTIST? A GAME ABOUT THE EXPANSION OF THE UNIVERSE

by Dr. Jean-Marc Perelmuter, Challenger Center for Space Science Education, Alexandria, VA

February 23

## NO PROGRAM — NEW JERSEY REGIONAL SCIENCE BOWL®

March 2

## HOW THE BRAIN GOT ITS FOLDS: LEARNING ABOUT FUNCTION BY LOOKING AT STRUCTURE

by Dr. Samuel Wang, Department of Molecular Biology, Princeton University, Princeton, NJ

March 9

## THE SCIENCE OF RADIOWAVE AND MICROWAVE PROBING OF IONOSPHERIC AND FUSION PLASMAS

by Dr. Raffi Nazikian, Princeton Plasma Physics Laboratory, Princeton, NJ  
TOUR AFTER LECTURE

March 16

## BIOINFORMATICS IN THE POST-GENOMIC ERA

by Dr. Mona Singh, Department of Computer Sciences, Princeton University, Princeton, NJ

**S**CIENCE 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.

**T**IME: Lectures begin at 9:30 a.m. and usually finish by 11:15 a.m.

**R**EGISTRATION: Register on site prior to each session. No preregistrations accepted. Seating is on a first-come, first-served basis.

**Q**UESTIONS: Call the Science-on-Saturday Hotline at (609) 243-2121 and leave a message. Your call will be returned.

**C**ANCELLATIONS: If it is necessary to cancel a session due to snow or ice storms, a message will be left on the Science-on-Saturday Hotline.



**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.

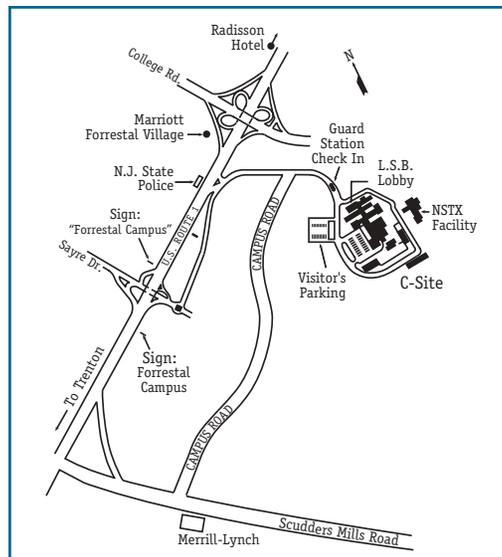
For the welfare of both our staff and visitors, PPPL security staff retains the right to inspect vehicles and personal packages such as briefcases, satchels, bookbags, and purses.

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 February 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

# 2002 Science on Saturday Program

Science Education Program

Princeton Plasma  
Physics Laboratory