

The DIMACS Research and Education Institute
Focusing on professional development, and improvement of
communication and cooperation among educators and researchers.

NEW PROGRAM FOR HIGH SCHOOL TEACHERS AND RESEARCHERS
3-WEEK SUMMER INSTITUTE, JUNE 23-JULY 13, 1996 - PRINCETON UNIVERSITY

Geometry, Visualization, and Computing

How can a robot plan a route that avoids obstacles?
How does the shape of an airplane's wings affect its flight?
Where should fire stations be located in a community so that each house can be reached quickly?

Participants: Mathematics/CS teachers or supervisors of grades 9-12, and researchers at all levels.

Activities: Teachers will participate in two workshops:

(1) *Computing and the Internet* (2) *Computational Geometry and Discrete Mathematics*.

There will also be seminars for researchers, and an all-institute program.

Support: Lodging and meals (weekdays, on campus), a travel allowance, and a stipend (\$900) will be provided for the three weeks. *Funding is provided by the National Science Foundation (NSF).*

Application Deadline: March 22, 1996

(Please call if this notice reaches you too late to meet the deadline.)

Preference will be given to applicants already using the Internet.

To Receive an Application: Please contact Elaine Foley, *e-mail:* drei@dimacs.rutgers.edu
phone: 908-445-4631/5928 *fax:* 908-445-5932 *Web address:* http://dimacs.rutgers.edu
mail: DIMACS, Busch Campus; Rutgers University; Piscataway, NJ 08855-1179

DIMACS Symposium on **TEACHING LOGIC AND REASONING IN AN ILLOGICAL WORLD** *Rutgers University — 25-26 July 1996*

**Wanted: Presentations or Demonstration High School Lessons
On Innovative Approaches to Teaching Logic**

Deadline for Abstracts: April 1, 1996

(Please call if the deadline has passed—we may still be accepting abstracts)

This symposium will explore the teaching of introductory logic and logical thinking, with a primary focus on the college level and a secondary focus on the high school level. The symposium will be interdisciplinary, emphasizing and contrasting approaches used in mathematics, computer science, natural sciences, and engineering. The symposium seeks a sharing of ideas, rather than consensus, on how to teach logic. Our aim is that participants are better able to motivate the importance of logic and to convey the foundations of logical reasoning to students.

For further information, contact Peter Henderson, Department of Computer Science,
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Organizers: Susanna Epp (DePaul University), David Gries (Cornell University), Peter Henderson (SUNY Stony Brook), Ann Yasuhara (Rutgers University).

Sponsored by the DIMACS Special Year on Logic and Algorithms and the Association for Symbolic Logic