Center for Discrete Mathematics and Theoretical Computer Science (DIMACS)

THE DIMACS RESEARCH AND EDUCATION INSTITUTE

Working towards integration of education and research in the mathematical and computational sciences.

1996 TOPIC: GEOMETRY, VISUALIZATION, and COMPUTING

JUNE 23 - JULY 13, 1996
PRINCETON UNIVERSITY

Participants: Researchers at all levels, including graduate students, postdocs, college and university faculty, and members of research labs; as well as high school teachers.

Research Program: Organizer - Bernard Chazelle, Princeton Computer Science.
Three related but independent workshops are planned, bringing together those working on the theory of computational geometry with those implementing or using geometric algorithms:

- **Software and Mathematical Visualization** (June 23-28)
  Organizer: Ayellet Tal, ayellet@wisdom.weizmann.ac.il
- **Computational Geometry Problems in Aerodynamics** (July 1-3)
  Organizer: Tim Baker, baker@cougarxp.princeton.edu
- **Hot Topics in Computational Geometry** (July 8-13)
  Organizer: Bernard Chazelle, chazelle@cs.princeton.edu

Most events will be open to interested members of the mathematics and computer science communities (details to be announced). All presentations (talks, videos, software demonstrations, etc.) are by invitation; requests to make presentations will be honored at the discretion of the appropriate workshop organizer. Graduate students needing support should send a brief statement on why they would like to attend the program, along with a letter of recommendation from their advisor, to Bernard Chazelle; Department of Computer Science; Princeton University; Princeton, NJ 08544.

Education Program: Mainly for high school teachers, including a laboratory on Computing and the Internet, organized by David Dobkin (Princeton Computer Science); and a workshop on Computational Geometry and Discrete Mathematics. Please request applications for teachers from the address below; application deadline—March 22, 1996.

Integration: A major goal of the DREI is to connect the educational and research components, and facilitate communication among all participants. For example, there will be opportunities for researchers and teachers to work together on developing classroom materials.

The DREI is made possible by funding from the NSF.

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