



Second CGC Workshop on Computational Geometry

October 18–19, 1997

Duke University, Durham, NC

Sponsored by

The Center for Geometric Computing
and

The Department of Computer Science, Duke University

We are pleased to announce the second annual fall Workshop on Computational Geometry, sponsored by the Center for Geometric Computing (CGC), continuing a tradition established by the Mathematical Sciences Institute at SUNY-Stony Brook. The Center for Geometric Computing is a collaborative center of Brown, Duke, and Johns Hopkins Universities, and is funded by the U.S. Army Research Office.

Scope and Format

The aim of this workshop is to bring together researchers from academia, industry, and the Army to stimulate collaboration on problems of common interest arising in geometric computations. Topics to be covered include, but are not limited to

- Algorithmic methods in geometry
- Geometric data structures
- I/O-scalable geometric algorithms
- Implementation issues
- Robustness
- Animation of geometric algorithms
- Computer graphics
- Computer vision
- Solid modeling
- Robotics
- Geographic information systems
- Computer-aided design
- Computational metrology
- Mesh generation

Following the tradition of the previous MSI and CGC Workshops on Computational Geometry, the format of the workshop will be informal, extending over 2 days, with several breaks scheduled for discussions.

Invited speakers include Phil Emmerman (ARL, Adelphi), Chris Hoffmann (Purdue), Seth Teller (MIT), and Paul Tanenbaum (ARL, Aberdeen).

Submissions

Authors are invited to submit abstracts for talks to be given at the workshop. Please send an abstract (up to 2 pages) and a draft of a paper (if you have one). E-mail submissions are encouraged; send to cgc@cs.duke.edu. Ideally, the abstract should be a plain text, HTML, \LaTeX , or PostScript file, for ease in assembling the abstract booklet. Abstracts can also be sent by regular mail to

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Submissions should arrive by **September 8, 1997**. Authors will be notified of acceptance by September 15, 1997. A booklet of abstracts will be distributed at the workshop and made available electronically on the web. There will be no formal proceedings for this workshop, but selected papers will be invited to a special issue of the *International Journal of Computational Geometry and Applications*.

Organizing Committee: Pankaj K. Agarwal, Lars Arge, Jeff Erickson, Michael Goodrich, S. Rao Kosaraju, Joseph Mitchell, Franco Preparata, Roberto Tamassia, Jeffrey S. Vitter

For more information, visit the workshop's web page at <http://www.cs.duke.edu/CGC/workshop97.html> or contact Pankaj K. Agarwal at pankaj@cs.duke.edu or (919) 660-6540.