CALL FOR CONTRIBUTIONS

International Workshop

VISUALIZATION AND MATHEMATICS 2002
Berlin--Dahlem (Germany)
May, 22-25, 2002

Under Sponsorship of the Deutsche
Forschungsgemeinschaft (DFG)

This workshop provides an active forum for mathematicians and computer graphics researchers on the fundamental problems of visualization techniques, on applications in mathematics and on mathematical concepts in visualization. It is the third symposium in a series of workshops bringing together mathematicians and experts from computer graphics.

For more information see:

http://www.math.tu-berlin.de/vismath/

The themes of the workshop include:

- visualization in differential geometry and partial differential equations
- algorithmic representation of mathematical structures
- computational aspects of topology
- discrete geometry of meshes
- compression of large and time-dependent geometric models
- virtual laboratories for mathematics and applications
- online visualization and computational web services.

Conference Chairs
Hans-Christian Hege
Konrad Polthier

Keynote Lectures:
Rida Farouki
Markus Gross
Alfio Quarteroni
Jürgen Richter-Gebert
Gabriel Taubin

Invited Speakers:
Phil Bowers
Mathieu Desbrun
Gerald Farin
Joel Hass
Beau Janzen
Chris Johnson
Ravi Malladi
Tom Wickham-Jones

Program Committee:

Helmut Alt
James Arvo
Chandrajit Bajaj
Thomas Banchoff
Ken Brakke
Peter Deuflhard
Thomas Ertl
Gerald Farin
George Francis
Hans Hagen
David Hoffman
Chris Johnson
Michael Joswig
Leif Kobbelt
Heinrich Müller
Gregory Nielson
Ulrich Pinkall
Helmut Pottmann
Martin Rumpf
Dietmar Saupe
Roberto Scopigno
Hans-Peter Seidel
James Sethian
John Sullivan
Nobuki Takayama
Ross Whitaker
Luiz Velho
Jarke van Wijk
Günter Ziegler

Workshop Format

The workshop will include keynote lectures, invited talks and contributed presentations. The time for keynote lectures, invited talks and contributed talks will be 50, 40, and 30 minutes respectively including discussions. We will give possibilities for software demonstrations.

Interested contributors are asked to submit a full paper by March 10, 2002 for review. Based on the decision of the program committee papers are accepted for presentation at the workshop.

Articles by keynote lecturers, invited speakers and contributors will be published by Springer Verlag in the book series "Mathematics and Visualization". For preparation of papers we ask to use the LaTeX templates for multi-authored books available from:

http://www.springer.de/math/authors/b-tex.html

For review papers should be submitted online using the paper submission form at the workshop website.

Abstracts of all talks in electronic form will be available at the workshop, and the participants will receive an abstract volume.

Date and Location

The workshop will take place at the appealing Harnack-Haus in Berlin Dahlem. The Harnack-Haus belongs to the German Max-Planck-Gesellschaft. With our workshop we stay in the house's long tradition as an international meeting place for scientists.

Location:	Harnack-Haus in Berlin-Dahlem
Url:	http://www.harnackhaus-berlin.mpg.de/
Date:	May 22 -- 25, 2002

Organization

The workshop is organized by the Sonderforschungsbereich "Differential Geometry and Quantum Physics" (Sfb 288) at the Technische Universität in Berlin and the Department of "Scientific Visualization" at the Konrad-Zuse-Zentrum für Informationstechnik Berlin (ZIB).

Access to Workshop Information

Www:	http://www.math.tu-berlin.de/vismath
Email:	vismath@math.tu-berlin.de

Deadlines

Submission of Papers:	March 10, 2002
Notification of acceptance:	March 31, 2002
Final papers:	April 30, 2002
Online Registration:	until April 30, 2002

Registration

The workshop is open to all researchers. All participants planning to attend the workshop are requested to fill in the online registration form at the workshop web site.

The registration fee is EURO 150 and covers the abstract volume, a social event, and refreshments during the workshop. Accommodations and meals are not included in this fee. The full payment of the registration fee must be made at the beginning of the workshop at our registration desk at the Harnack-Haus.

For early registrations we have reserved a set of rooms at the guesthouse of the Harnack-Haus which is close-by the conference center. Other accommodations will be made in cooperation with the local tourist information office.

The number of talks is restricted. This and the type of the workshop facility will guarantee an intensive exchange of ideas.