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Fourth Eurographics Symposium on Geometry Processing  
in cooperation with ACM SIGGRAPH

Cagliari, Sardinia, Italy, June 26-28 2006  
<http://www.geometryprocessing.org>

Program Co-Chairs:

- \* Alla Sheffer, University of British Columbia
- \* Konrad Polthier, Zuse Institute Berlin

Organizing Co-Chairs:

- \* Riccardo Scateni, Università di Cagliari
- \* Roberto Scopigno, ISTI-CNR Pisa

CALL FOR PAPERS:

The Symposium on Geometry Processing is the premier venue for disseminating new research ideas and cutting-edge results in computerized processing of geometric models. In this emerging area, concepts from applied mathematics, computer science, and engineering are used to design efficient algorithms for acquisition, reconstruction, manipulation, simulation and transmission of complex 3D models. Applications of geometry processing algorithms cover a wide range of areas from multimedia, entertainment, and classical computer-aided design, to bio-medical computing, reverse engineering, and scientific computing.

We are now inviting submissions related to, but not limited to, the following topics in geometry processing:

- geometry and topology representations
- compression of static or animated geometry
- surface and volume parameterization
- approximation and meshing
- reverse engineering
- simplification and level of detail
- smoothing and denoising
- computational geometry
- multiresolution shape analysis and synthesis
- geometric aspects of rendering and other fields
- interactive techniques
- animation and simulation

PROCEEDINGS:

The proceedings of the symposium will be published in the Eurographics Proceedings Series, in cooperation with ACM SIGGRAPH. NEW: proceedings will be full-color throughout (to be confirmed).

INVITED SPEAKERS:

In addition to the technical paper presentations the conference will have two distinguished invited speakers:

- \* Markus Gross, ETH Zurich
- \* Ron Kimmel, Technion.

INDUSTRY PANEL:

NEW: the industry panel will be a new conference feature where representatives of major companies actively involved in geometry processing and its application will present and discuss the most challenging research problems in the work of their companies. This year's panelists are:

- \* Richard Huddy (ATI)
- \* David Bonner (Dassault Systems)
- \* Rasmus Tamstorf (Disney)
- \* Olivier Paugam (Mental Images)

POSTER SESSION:

A posters session will provide an additional informative look into ongoing research. Papers with obvious potential but which missed the threshold may be invited to be presented as posters during the symposium. Two page abstracts of the posters will be published in a separate volume distributed to the symposium participants.

IMPORTANT DATES:

- \* Electronic abstract submission deadline: April 19, 2006
- \* Electronic paper submission deadline: April 26, 2006 PMT
- \* Author notification: May 17, 2006
- \* Camera ready copy deadline: May 24, 2006
  
- \* Symposium: June 26-28, 2006

SUBMISSION PROCEDURE:

Details of the all-electronic submission procedure are available on the official SGP website: <http://www.geometryprocessing.org>

Authors are requested to submit an abstract of their paper (in plain text format) by April 19, 2006. The abstract submission should contain the names and institutions of all the authors, contact information of one contact author (name, e-mail, postal address, phone and fax numbers), and the working title and abstract of the submission.

Submitted manuscripts should be prepared for double-blind review, and should be original work, not concurrently submitted to any other venue. The length of a submitted paper should typically not exceed 10 pages, formatted in the proper publication style (LaTeX files available online). A submission can also be accompanied by electronic supplementary material (e.g. video).

Submitted papers will be carefully reviewed by members of the Program Committee (see list online and on attached flier) and by selected external reviewers.

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