

Call for Papers

11th International Fall Workshop

VISION, MODELING, AND VISUALIZATION 2006

November 22 – 24, 2006
RWTH Aachen University, Germany

organized by

Lehrstuhl für Informatik 8, RWTH Aachen, Computergraphik & Multimedia
Lehrstuhl für Bildverarbeitung, RWTH Aachen
Lehrstuhl für Informatik 12, RWTH Aachen, Hochleistungsrechnen
Lehrstuhl für Informatik 15, TU München, Computer Graphics & Visualization

in cooperation with (pending)

Gesellschaft für Informatik GI
European Association for Computer Graphics

Setting:

Vision, Modeling, and Visualization are rapidly converging disciplines. For a long time the three fields were separate, each with their own methodology, terminology, and formalism. However, for many applications they have to work hand in hand based on computer models and data structures that can be used across all disciplines. Prominent examples are medical sciences, where novel and improved image sensors require new integrated vision, modeling, and visualization techniques. Also, due to the proliferation of digital photography and high-speed graphics accelerators, image-based modeling and the corresponding vision and visualization techniques have become a research topic of highest relevance.

The Workshop "Vision, Modeling, and Visualization 2006" is the eleventh in a series of annual meetings organized by different research centers and groups focussing on this field. After highly successful meetings in Erlangen, Alpbach, Saarbrücken, Stuttgart, Munich, and Stanford, this year's event will take place at the RWTH Aachen University. The program will consist of contributed papers and poster presentations, as well as invited talks by internationally renowned speakers.

Topics:

Paper submissions are invited to the following (non-exclusive) list of topics:

- 3-D imaging
- Object localization and recognition
- Volume data processing and visualization
- Multi-sensor fusion and 3-D registration
- Medical image processing
- Medical visualization
- Structure from motion and stereo
- Geometry-based and image-based rendering
- Geometric Modeling
- Geometry Processing
- Scene modeling and integration
- Multi-view image processing and coding
- Realistic rendering
- Animation
- Virtual reality
- Applications (medicine, robotics, fluid mechanics, manufacturing, automated inspection, virtual reality, communication, etc.)

Author's schedule:

June 30, 2006	Deadline for Paper submission
August 14, 2006	Notification of acceptance
September 4, 2006	Final version of accepted papers
September 11, 2006	Registration deadline for authors of accepted papers
November 22 – 24, 2006	Workshop

Formatting guidelines will be posted on the conference webpage soon.

Organization:**General Chairs:**

Leif Kobbelt, Informatik 8, RWTH Aachen, Computergraphik & Multimedia
Torsten Kuhlen, Informatik 12, RWTH Aachen, Hochleistungsrechnen

Program Chairs:

Til Aach, Lehrstuhl für Bildverarbeitung, RWTH Aachen
Rüdiger Westermann, Informatik 15, TU München, Computer Graphics & Visualization

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