

**VMV 2007**

VISION, MODELING, AND VISUALIZATION

Call for Papers12th International Fall Workshop**VISION, MODELING, AND VISUALIZATION 2007**

November 7 – 9, 2007

Max-Planck-Institut Informatik, Saarbrücken, Germany

Vision, modeling, and visualization are rapidly converging disciplines. Often the three fields are treated separately, each with their own methodology, terminology, and formalism. However, in many applications they must work hand in hand - evoking cross-fertilization and new research directions. Prominent examples are image and video-based rendering, 3D-TV, and medical visualization. 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 "Vision, Modeling, and Visualization 2007" workshop addresses the entire spectrum of techniques and applications in this combined field: from data acquisition over processing to visualization, including perceptual issues. This workshop is the twelfth in a series of annual meetings organized by different research centers and groups. After highly successful meetings at various locations, this year's event will take place in Saarbrücken. 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:

- Animation
- Computational Photography
- Geometric Modeling
- Hardware-accelerated Image Processing and Rendering
- HDR Imaging
- Human Perception and Error Measures
- Illumination and Reflectance Modeling
- Image and Video-based Rendering
- Large-scale Acquisition, Processing, and Visualization
- Medical Image Processing and Visualization
- Motion and Tracking
- Multi-view Image Processing and Coding
- Multi-sensor Fusion
- Object Localization and Recognition
- Realistic Rendering
- Shape Deformation
- Shape Representation
- Segmentation and Grouping
- Statistical Methods and Learning
- Structure from Motion and Stereo
- Texture Analysis and Synthesis
- Uncertainty Visualization
- Virtual and Augmented Reality
- Visualization of Time-varying and Multivariate Data
- Volume, Flow, Vector, and Tensor Visualization
- Volumetric Imaging
- Applications

Paper Submission:

Prospective attendees are invited to submit a paper of up to 10 pages with color images in the conference style. All submissions will be double-blind reviewed. Accepted papers will be presented at the workshop and appear in the proceedings. Authors should obtain the author's package (including LaTeX style-file) from the conference web page (<http://www.mpi-inf.mpg.de/vmv2007>).

The author's package provides complete information concerning the submission process. All communication will be electronic and questions should be addressed to vmv2007@mpi-inf.mpg.de.

Author's schedule:

July 3, 2007	Paper submission
August 4, 2007	Notification of acceptance
August 27, 2007	Registration deadline for authors
September 1, 2007	Final version
September 18, 2007	Registration deadline
November 7-9, 2007	VMV 2007 workshop

Organization:**General Chairs:**

Hans-Peter Seidel, Max-Planck-Institut Informatik
Philipp Slusallek, Saarland University
Joachim Weickert, Saarland University

Program Chairs:

Hendrik Lensch, Max-Planck-Institut Informatik
Bodo Rosenhahn, Max-Planck-Institut Informatik

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