



The Fourth International Conference on 3-D Digital Imaging and Modeling

October 6-10, 2003
The Banff Centre
Banff, Alberta, Canada

www.3DIMconference.org

Call for Papers

Since 1997, the 3DIM Conference is dedicated to 3-D imaging and modeling and their applications. This field continues to strengthen its research basis in the areas of computer vision, computer graphics, and geometric modeling, but also to diversify its target applications, ranging from archaeological site modeling to advanced manufacturing. The 3DIM Conference brings together researchers from all over the world interested in a broad spectrum of issues in 3-D imaging and modeling. The Fourth Conference, held at the Banff Centre in the heart of the Canadian Rockies, will build and expand on this tradition.

The 3DIM2003 Conference Committee invites you to submit original full papers in English by **March 21, 2003**. As in previous years, the papers will be reviewed by an international program committee. Accepted papers will be presented in single-track oral sessions and a poster session. The Conference Proceedings are published by the **IEEE Computer Society Press**. Further details on the paper format, electronic submission procedure and conference venue are available on the conference website.

Papers are invited in the areas of:

Smart/enhanced/hand-held sensors
Sensor calibration methods
Performance assessment
Automated view planning
3-D from multiple images and video
Geometric signal processing

Image registration and integration
Multiresolution 3-D representations
Shape and appearance modeling
Texture mapping from real images
Object recognition and classification
Surface/solid modeling from images

Reverse engineering
Dimensional inspection
Object/human/environment modeling
Manufacturing/medical applications
Heritage, art history, archaeology
Modeling for virtual reality

as well as related areas.

Special session: **Heritage Applications of 3-D Imaging and Modeling**

The 3DIM 2003 Conference will include a special half-day session devoted to the application of 3-D imaging and modeling in the areas of **archaeology, art history and conservation**. In recent years, several large-scale projects aimed at archaeological site modeling or museum collection digitization have emerged as a driving force for major contributions in the field. The special session will focus on the specific research issues and applications that are encountered in these areas.

The Special Session Program Committee is requesting papers describing state-of-the-art contributions in 3-D reconstruction, modeling, documentation, monitoring, and visualization of cultural heritage artifacts. These contributions should clearly show how 3-D imaging supports their conservation, restoration and diffusion.

IMPORTANT DATES

Full paper submission:	March 21, 2003
Notification of acceptance:	May 14, 2003
Final paper due:	June 11, 2003



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