

## CALL FOR PAPERS

# GMP2006: GEOMETRIC MODELING AND PROCESSING 2006

July 26 - 28, 2006

Pittsburgh, Pennsylvania, U.S.A.

David L. Lawrence Convention Center

<http://www.andrew.cmu.edu/org/GMP2006/>

### Important Dates

Abstract due: March 8, 2006  
Full paper due: March 12, 2006  
Author notification: April 22, 2006  
Camera-ready manuscript due: May 7, 2006  
Conference dates: July 26-28, 2006



### About GMP

Geometric Modeling and Processing (GMP) is a biannual international conference series on geometric modeling, simulation and computing. The modeling and processing of geometric data is fundamental to many computer applications, including computer graphics, computer vision, CAD/CAM, medical imaging, engineering analysis, robotics and scientific computation. GMP conferences provide researchers and practitioners with a forum for exchanging new ideas, discussing new applications, and presenting new solutions. GMP2006 is the fourth GMP conference. The previous GMP conferences were held in Beijing (2004), Tokyo (2002), and Hong Kong (2000).

### Topics

GMP2006 solicits original technical papers on topics including, but not limited to:

- Curves and surfaces
- Digital geometry processing
- Differential geometry
- Dimensioning and geometric tolerances
- Geometric feature modeling and recognition
- Geometric constraints solving
- Geometric optimization
- Heterogeneous modeling
- Multiresolution modeling
- Mathematical foundations of CAGD
- Shape representation schemes
- Solid modeling

GMP2006 also welcomes studies of problems arising in applications of geometric computing, such as:

- Computer vision
- Computer graphics
- Image processing
- Machining and assembly planning
- Medical imaging
- Mesh generation for engineering analysis
- Rapid prototyping
- Reverse engineering
- Robotics
- Scientific visualization

### Conference Proceedings and Journal Special Issue

The GMP2006 conference proceedings will be published as a volume of Lecture Notes in Computer Science, Springer-Verlag. Selected papers from the conference will be published in a special issue of Computer-Aided Design (Elsevier Science).

### Conference Chair

David Gossard (Massachusetts Institute of Technology, USA)

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