

# Shape Modelling International 2008

**Stony Brook University**

**June, 4-6, 2008**

## Call for Papers & STARs

**Conference Aims.** Shape Modeling International provides a premium international forum for the dissemination of new mathematical theories and novel computational techniques for modeling, simulating, and processing digital representations of shapes and their properties to a community of researchers, developers, practitioners, and students in academia and industry across a wide range of fields. In 2001, SMI has merged with the Implicit Surface Workshop and is now run as an annual event alternating between Asia, Europe, and America.

SMI'08 will immediately follow the ACM Solid and Physical Modeling Symposium 2008 (SPM'08), to be held on June 2-4, 2008, in Stony Brook University, Stony Brook, New York, USA. Both SPM'08 and SMI'08 events will be co-located in Stony Brook, and are parts of the 2008 Stony Brook Modeling Week that features International Joint Convention on Shapes and Solids (ICSS'08).

**New Features.** This year, SMI'08 is soliciting contributions in terms of state-of-the-art reports. STAR submissions will follow the same deadlines than full papers. Also, a video and multimedia track is launched for submitting any additional materia. Accepted videos will be included on the proceedings CD/DVD, together with an abstract, and made available through the SMI website.

**SHREC contest.** The third edition of the SHREC - 3D Shape Retrieval Contest will be organized in conjunction with SMI'08. The general objective of the contest is to evaluate the effectiveness of 3D-shape retrieval algorithms. The results of the contest will be presented during the conference. Instructions on how to participate will be posted at the conference web site and at <http://www.aimatshape.net/event/SHREC>.

### Conference Chairs

Hong Qin, Stony Brook University, USA  
Alexander Pasko, Bournemouth University, UK

### Programme Chairs

Michela Spagnuolo, IMATI, CNR, Italy  
Daniel Cohen-Or, Tel Aviv University, Israel  
Xianfeng David Gu, Stony Brook University, USA

### Conference Topics (not limited to)

- Shape Modeling and Design
- Shape Acquisition and Reconstruction
- Implicit Surfaces
- Shape Analysis and Understanding
- Shape Transformation and Morphing
- Computational Topology for Shape Analysis
- Shape Matching and Retrieval
- Shape Classification
- Geometric Processing for Shapes
- Shape Simplification and Compression
- Semantics of Shapes
- Dynamic Shapes and Animation
- Multiresolution Modeling
- Physically-based Shape Modeling
- Grammar-Based Shape Modeling
- Free-form Feature Extraction and Modeling
- Shape Visualization
- Modeling for Games and Digital Entertainment

Full papers are expected to be 10-12 A4 pages, and should present previously unpublished original results that are not simultaneously submitted elsewhere. All papers will be peer-reviewed, by at least three reviewers. The accepted full paper contributions will be presented during the plenary sessions and will appear in the conference proceedings. Short papers are expected to be up to 5 A4 pages and the accepted ones will be presented as posters and included in the proceedings. Abstracts are welcome to facilitate the review process and should be 150-300 words in length.

### Important dates

Abstracts: November 27, 2007

Full/Short Papers - STARs: Dec. 4, 2007

Notification: January 31, 2008

Camera Ready: March 1, 2008

### Submissions Instructions & Guidelines

Contributions should be formatted using the IEEE Proceedings style

Full papers: 10/12 pages

Short papers: 5 pages

STARs: 15 pages

# Programme Committee

Valery Adzhiev  
Ergun Akleman  
Marc Alexa  
Pierre Alliez  
Nina Amenta  
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<http://smi08.cs.sunysb.edu>

SMI'08 will be held in Charles B. Wang Center on Stony Brook University Campus.



## Sponsors



## SMI'08 Special Issues

The Visual Computer (Springer)  
Graphical Models (Elsevier)  
Int. Journ. of Shape Modeling (World Sc.)  
Trans. on Visual. and Comp. Graph (IEEE)

## Indicative Dates for the special issues

Notification of Selection: July, 25, 2008  
Submission: September, 15, 2008  
Camera Ready: December, 15, 2008  
Publication: April, 2009