

CALL FOR PAPERS

# SMI2016

## Shape Modeling International 2016

Freie Universität Berlin (Germany), June 20-24, 2016

<http://www.geometrysummit.org/smi2016/index.html>

Paper deadline: **March 11**

Novel this year: SMI Reproducibility Award

Shape Modeling International, which this year is part of the **International Geometry Summit (IGS)**, provides an international forum for the dissemination of new mathematical theories and computational techniques for modeling, simulating and processing digital representations of shapes and their properties to a community of researchers, developers, students, and practitioners across a wide range of fields. Conference proceedings (long and short papers) will be published in a special issue of **Computer & Graphics Journal** (Elsevier) after a rigorous two-stage review process. Papers presenting original research are being sought in all areas of shape modeling and its applications.

**NEW THIS YEAR:** For the first time, the prominent international conferences Symposium on Geometry Processing (SGP), Shape Modeling International (SMI) and the Symposium on Solid & Physical Modeling (SPM) will join forces and showcase the breadth and the impact of applied geometry. ***Attendees enjoy all of this for a single registration to the summit.*** In addition, the IGS summer school will be offered for excellent younger researchers (at additional cost).

This year, also SMI will introduce an **Award for Reproducibility** to be granted to authors of accepted papers who are willing to provide a complete open-source implementation of their algorithm.

### SMI IMPORTANT DATES

- Submission: March 11, 2016
- 1st Decision due: April 15
- Revised papers due: April 22
- 2nd Review Notification: May 6
- Final Versions Submitted: May 13

### SUBMISSION INSTRUCTIONS

All papers should be submitted directly via the journal online submission system of Computers & Graphics: <http://ees.elsevier.com/cag/default.asp?pg=login.asp>

When submitting your paper to SMI 2016, please make sure that the type of article is specified as "**SI: SMI 2016**". More info at <http://www.geometrysummit.org/smi2016/submission.html>

**CONFERENCE CHAIR**  
Marc Alexa (TU Berlin)

### PROGRAM CHAIRS

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Healing & resampling  
Correspondence & registration  
Shape transformation & deformation  
Compression & streaming  
Implicit surfaces  
Interactive design & editing  
Sketching & 3D input  
Computational topology  
Exploration of shape collections  
Curves & surfaces  
Parametric & procedural models  
Volume & multidimensional modeling  
Multi-resolution techniques  
Subdivision methods  
Shape analysis & segmentation  
Semantics of shapes  
Shape matching & retrieval  
Features extraction & classification  
3D printing & fabrication  
Medical images computing & analysis