

Call for Papers

Shape Modeling International 2014 (SMI 2014) will be held on Oct 28 - 30, 2014, in the Chinese University of Hong Kong, Hong Kong, co-located with the Symposium on Solid and Physical Modeling 2014 (SPM 2014).

General Information

Shape Modeling International is the premier 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 merged with the Implicit Surface Workshop, and is now run as an annual event alternating between Asia, Europe, and America. SMI 2014 will immediately follow the Symposium on Solid and Physical Modeling 2014 (SPM 2014), to be held on Oct 26 - 28, 2014, in the Chinese University of Hong Kong, Hong Kong, China.

Original research papers accepted for presentation at the conference, both full-length (up to 14 pages) and short (6 - 8 pages), will be published as a special issue of *Computers & Graphics*.

Conference Topics

Papers presenting original research are being sought in all areas of geometry processing and its applications, including (but not limited to)

- shape transformation, manipulation, and deformation
- interactive design and editing
- sketching and 3D input
- meshing, remeshing, and parameterization
- acquisition and reconstruction
- healing, resampling, and shape completion
- correspondence and registration
- shape analysis and semantics
- shape descriptors, matching and retrieval
- features extraction and classification
- compression and streaming
- computational topology
- discrete differential geometry
- curves and surfaces
- implicit surfaces
- subdivision surfaces and methods
- isogeometric analysis
- barycentric coordinates
- parametric and procedural models

- volume and multi-dimensional modeling
- multi-resolution techniques
- physics-based techniques

Important Dates

Abstract submission due: June 27, 2014

Full paper submission due: June 30, 2014

Review due: July 30, 2014

Submission of revision: August 15, 2014

Final Accept/Reject Decisions: September 15, 2014

Final version due: September 30, 2014

SMI 2014: October 28 - 30, 2014

Committee

Program Chairs:

Eitan Grinspun (Columbia University, USA)

Alexander A. Pasko (Bournemouth University, UK)

Charlie C.L. Wang (The Chinese University of Hong Kong, Hong Kong)

Conference Co-chairs:

Shuming Gao (Zhejiang University, China)

John C. Hart (University of Illinois, Urbana-Champaign, USA)

Joaquim Jorge (Instituto Superior Técnico, Portugal)

Konrad Polthier (Freie Universität Berlin, Germany)

Wenping Wang (Hong Kong University, Hong Kong)

Organization Chair:

Charlie C.L. Wang (The Chinese University of Hong Kong, Hong Kong)

Conference Website

<http://www.mae.cuhk.edu.hk/~smi2014/>