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Editorial

Guest Editor Foreword

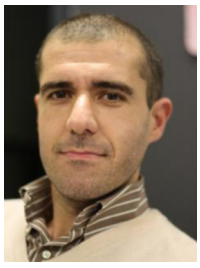
The Shape Modeling International (SMI) conference series was started by Tosyiasu L. Kunii and was initially hosted in Japan (1997 and 1999). Its objective was to provide an international forum for discussing new theories, techniques, and applications of shape modeling, i.e., the set of computational techniques for modeling and processing digital representations of shapes and their properties.

In 2001, SMI merged with the Eurographics/ACM SIGGRAPH Workshop on implicit surfaces and became a regular annual event alternating among Asia, Europe, and America. SMI was hosted in Italy (2001), Canada (2002), South Korea (2003), Italy (2004), USA (2005), Japan (2006), France (2007), USA (2008), China (2009), France (2010), Israel (2011), USA (2012), United Kingdom (2013), and Hong Kong (2014). This year (2015), the Shape Modeling International Conference returned to Europe and is held at Télécom Lille on the campus of University Lille1, France. SMI'15 is sponsored by the Centre de Recherche en Informatique, Signal et Automatique de Lille (CRIStAL UMR CNRS 9189), and supported by Eurographics, ACM SIGGRAPH, and IEEE Computer Society.

The accepted papers at SMI'15 appear in a special issue of the journal Computers and Graphics (Elsevier) containing both long and short papers. SMI'15 received a total of 45 submissions from various countries including Europe, USA, and China. Of these submissions, 9 papers were accepted as full papers for an acceptance rate of 20%. In addition, 13 papers were accepted as short papers. Each paper received from three to six reviews from members of the Technical Papers Committee and underwent a two-stage review process. For the first year, SMI15 hosts the presentation of 4 papers published in regular issues of Computer and Graphics.

SMI'15 also features three keynote talks by Bruno Levy (INRIA, France) on "*Optimal Transport for Shape Modeling and Computer Graphics*", Michael Wand (University of Main, Germany) on "*Shape modeling with building blocks*", Livio De Luca (CNRS, France) on "*Towards a new generation of semantically-enriched digital representations for studying the architectural heritage*", and one tutorial by Ergun Akleman (Texas A&M University, USA) on "*Applications of Topological Graph Theory in Shape Modeling*". Finally, SMI15 hosts the Fabrication & Sculpting Event (FASE), organized by Ryan Schmidt (University of Toronto, Canada), Jakob Andreas Bærentzen (Technical University of Denmark, Denmark), and Ergun Akleman (Texas A&M University, USA).

The SMI'15 Program Chairs wish to acknowledge the Conference Chairs Mohamed Daoudi (Telecom Lille, France) and Bianca Falcidieno (CNR-IMATI, Italy), the support of Prof. Joaquim Jorge, Editor-in-Chief of Computers and Graphics, and Fiona Isaac (Elsevier), for their help in making this event successful. We would also like to thank all of the members of the Technical Papers Committee for their work in terms of reviewing papers.



Giuseppe Patanè is a researcher at CNR-IMATI, Italian National Research Council, Institute for Applied Mathematics and Information Technologies, and member of the Shape Modeling Group. He received a Master (1999) and a Ph.D. (2005) in Mathematics from the University of Genova; in 2000, he was research fellow of the Italian Institute of Advance Mathematics "F. Severi", University of Milano. His main research interests include shape modeling and analysis, geometry processing, computer graphics, and numerical analysis.

Jean-Philippe Vandeborre is a full professor of Computer Science of the Institut Mines-Télécom at Télécom Lille. He is also a researcher of CRIStAL laboratory (UMR Lille1/CNRS 9189). He received a MSc (1997), a PhD (2002) and an *Habilitation à Diriger des Recherches* (2012) in Computer Science from the University Lille1. His current research interests are mainly focused on 3D-model analysis and processing, and include 3D-shape retrieval from content, 3D-mesh segmentation, content-based 3D-modeling, and their applications.

Remco Veltkamp is a full professor of Media Technology at Utrecht University, The Netherlands. His research interests are the analysis, recognition and retrieval of, and interaction with, 3D objects and scenes, images, video, and music, in particular the algorithmic and experimentation aspects, with a special focus on game research: http://www.uu.nl/en/research/utrecht-center-for-game-research

Organization

Conference Chairs

- Mohamed Daoudi (Télécom Lille/CRIStAL, France)
- Bianca Falcidieno (CNR, Italy)

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Technical Papers Program Chairs

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- Jean-Philippe Vandeborre (Télécom Lille/CRIStAL, France)
- Remco Veltkamp (Utrecht University, The Netherlands)

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The Guest Editors SMI 2015

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