

# Symposium on Geometry Processing

SGP 2018 | Paris, France | July 7–11

<https://sgp2018.sciencesconf.org>

## About SGP

The Eurographics Symposium on Geometry Processing (SGP) is the premier venue for disseminating new research ideas and cutting-edge results in geometry processing. In this research area, concepts from mathematics, computer science, and engineering are studied and applied to offer new insights and design efficient algorithms for acquisition, modeling, analysis, manipulation, simulation and other types of processing of 3D models and shape collections. The Eurographics Symposium on Geometry Processing (SGP) 2018 will be held at Télécom ParisTech (46 rue Barraud) in Paris France on 9–11 July, 2018.

## Topics

- Acquisition and reconstruction
- Analysis and design for fabrication
- Architectural and industrial geometry
- Computational geometric design
- Computer-aided design and manufacturing
- Discrete differential geometry
- Exploration of shape collections
- Geometry and topology representations
- Geometry compression
- Geometric data sorting, clustering, and visualization
- Geometry processing applications
- Interactive techniques for shape design and editing
- Isogeometric analysis
- Machine learning in geometry
- Mesh editing and deformation
- Meshing and remeshing
- Multiresolution modeling and subdivision meshes
- Multimodal shape processing
- Procedural geometric modeling
- Processing of big geometric datasets
- Shape analysis and synthesis
- Simulation and animation
- Smoothing and denoising
- Surface and volume parameterization

## Timeline

Abstract Submission: 6 April, 2018  
**Full Paper Submission: 12 April, 2018**  
Notification of Acceptance: 23 May, 2018  
Revised version due: 15 June, 2018  
Second round reviews: 20 June, 2018  
Camera Ready Copy due: 25 June, 2018  
(All deadlines are at 23:59 UTC/GMT.)

Paper submission via the Submission and Review Management (RMv2) system: <https://srmv2.eg.org>.

## Proceedings

The SGP proceedings will appear as a regular electronic issue of Computer Graphics Forum, the International Journal of the EUROGRAPHICS Association. The journal status of the proceedings requires a two-stage review process with conditional acceptance after the first round and final acceptance based on the revised submissions.

## Graduate School

Following the success of previous editions, a graduate school will offer tutorials taught by leading experts on the weekend of 7–8 July.

## Awards & Recognitions

Following its traditions, SGP 2018 will attribute three best paper awards, a software award recognizing the authors of an open-source software that has greatly influenced the field, and a data set award designed to acknowledge the suppliers of high quality datasets used in geometry processing. In addition, SGP provides papers with the reproducibility stamp to recognise the effort of researchers who, in addition to publishing their paper at SGP 2018, provide a complete open-source implementation of their algorithm.

## Keynote Speakers

**Jean-Daniel Boissonnat**  
(Inria)

**Vladlen Koltun**  
(Intel Labs)

**Mark Meyer**  
(Pixar Research)

**Olga Sorkine-Hornung**  
(ETH Zürich)

## Organization

### Program Chairs

Tao Ju (*Washington University in St. Louis*)  
Amir Vaxman (*Utrecht University*)

### Graduate School Chairs

Alec Jacobson (*University of Toronto*)  
Jean-Marc Thiery (*Télécom ParisTech*)

### General Chairs

Maks Ovsjanikov (*École Polytechnique*)  
Pooran Memari (*CNRS, École Polytechnique*)  
Tamy Boubekour (*Télécom ParisTech*)

### SGP Steering Committee

Chair:

Leif Kobbelt (*RWTH Aachen, Germany*)

Members:

Marc Alexa (*TU Berlin, Germany*)  
Pierre Alliez (*INRIA, France*)  
Niloy Mitra (*UCL, UK*)  
Daniele Panozzo (*NYU, USA*)