



Call for Posters

2018 ACM Symposium on Solid and Physical Modeling

June 11-13, 2018 - Bilbao, Spain

General Info: SPM is an international conference series organised annually with the support of the Solid Modeling Association (SMA), ACM SIGGRAPH, and the SIAM Activity Group on Geometric Design. The conference aims at all aspects of geometric and physical modeling, and their application in design, analysis and manufacturing, as well as in biomedical, geophysical, digital entertainment, and other areas. The conference serves also as a ceremony for awarding the 2018 Pierre Bézier Prize for contributions to solid, shape, and physical modeling.

Scope: Topics of interest include, but are not limited to:

- 3D fabrication/printing/manufacturing technologies
- Anisotropic/heterogeneous/composite materials
- Applied algebraic and differential geometry
- Applied computational geometry and topology
- Computational fabrication
- Curve, surface, and manifold modeling
- Data fitting and approximation
- Design, analysis, simulation, automation and optimization
- Dimensioning & tolerancing
- Feature modeling, recognition, and understanding
- Geometric and topological representations
- Geometric modeling and processing
- Isogeometric and finite element analysis
- Meshing and mesh optimization
- Manufacturing and assembly planning
- Numerical analysis of geometric algorithms
- Parametric and feature-based models and representations
- Physically-based concepts for shape modeling
- Reverse engineering, model reconstruction from samples
- Robustness and validity of geometric computations
- Shape modeling, synthesis, and analysis

Poster Submission: The submitted posters must be written in English. The poster format is A0 (91x122cm) and the posters should be submitted via email to spm2018@bcamath.org. The submitted posters will be reviewed by the Program Chairs and the accepted posters will be presented at the venue. At least one of the authors is obliged to participate the poster session of the symposium.

Important Dates: April 27, 2018
May 4, 2018
June 11-13, 2018

Posters Due
Notification of Acceptance
Symposium

Conference Homepage <https://wp.bcamath.org/spm2018/>

Conference Chairs

Michael Barton, BCAM, Spain
Gershon Elber, Technion, Israel
Helmut Pottmann, TU Wien, Austria

Program Chairs

Jessica Zhang, Carnegie Mellon, USA
Takashi Maekawa, YNU, Japan
Johannes Wallner, TU Graz, Austria

