

# GCD4

SYMPOSIUM ON GEOMETRY AND COMPUTATIONAL DESIGN

NOV 17 | 2017 | 9:30 | KUPPELSAAL | TU WIEN

The members of the Center for Geometry and Computational Design cordially invite faculty, students, company representatives, and the public, to the fourth Symposium on Geometry and Computational Design, at TU Wien on November 17th, 2017.

Leading researchers will give lectures on recent developments in geometry, computer graphics, computational design, and civil and architectural engineering. Selected and ongoing research projects within the center will be presented in short talks, on posters, and in an exhibition.

The symposium will be free of charge for all attendees. Registration, via email to [gcd-meeting@geometry.tuwien.ac.at](mailto:gcd-meeting@geometry.tuwien.ac.at), is open until November 12th.

Please forward this announcement to people, who may be interested in this event.

## 9<sup>30</sup> OPENING

HELMUT POTTMANN, Director of the Center for Geometry and Computational Design, HANNES WERTHNER, Dean of the Faculty of Informatics

## 9<sup>45</sup> WERNER SOBEK, University of Stuttgart, Werner Sobek Group ad ultra

Coffee break

## 11<sup>00</sup> OLGA SORKINE-HORNUNG, ETH Zurich

Interactive 3D Modeling and Digital Fabrication using Computation-Friendly Variational Methods

## 11<sup>45</sup> CHRIS WOJTAN, IST Austria

Surface-Only Methods for Simulating Flow and Fracture

Lunch break

## 14<sup>30</sup> JUSTIN SOLOMON, MIT

Beneath the Surface: Geometry Processing at the Intrinsic/Extrinsic Interface

## 15<sup>15</sup> FABIO GRAMAZIO, ETH Zurich, Gramazio Kohler Architects

Digital Materiality in Architecture

Coffee break

## 16<sup>30</sup> TOBIAS NOLTE, Certain Measures

Computer Vision and Design

## 17<sup>15</sup> MARTIN KILIAN and DAVIDE PELLIS, TU Wien

Material-Minimizing Forms and Structures

## 17<sup>45</sup> CHRISTIAN MÜLLER, TU Wien

Regular Meshes from Polygonal Patterns