

GCD 23

SYMPOSIUM ON GEOMETRY AND COMPUTATIONAL DESIGN

NOV 3 | 2023 | 9:00 | KUPPELSAAL | KARLSPLATZ 13 | TU WIEN

The members of the Center for Geometry and Computational Design cordially invite faculty, students, company representatives and the public to the 8th Symposium on Geometry and Computational Design at TU Wien on November 3rd, 2023.

Leading researchers will give lectures on recent developments in geometry, computer graphics, computational design, and civil and architectural engineering. In addition, selected and ongoing research projects within the center and the FWF Special Research Programme Advanced Computational Design 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-registration@geometrie.tuwien.ac.at, is open until October 30th.

We would like to thank our partner, the AdvanceAEC Network.

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



9⁰⁰ REGISTRATION

9²⁰ OPENING

GERTI KAPPEL, Dean of the Faculty of Informatics at TU Wien and
MICHAEL WIMMER, Director of the Center for Geometry and Computational Design,
Coordinator of the Special Research Programme Advanced Computational Design

9³⁰ SIMON GUEST, University of Cambridge, UK

Modelling the Geometry of Origami

// Coffee break + SFB ACD exhibition

10⁴⁵ MICHELA SPAGNUOLO, IMATI Genua, Italy

The Role of Geometry in Intelligent Cities of Tomorrow

11³⁰ BENJAMIN DILLENBURGER, ETH Zürich, Switzerland

Form and Performance in a Digital Building Culture

// Lunch break + SFB ACD exhibition

14⁰⁰ EIKE SCHLING, University of Hong Kong

Geometry Design Structure

14⁴⁵ MICHAEL WIMMER, TU Wien

The Special Research Programme Advanced Computational Design – Introduction

JOHANNES SCHLUSCHE, Universität Innsbruck, Austria

Pointcloud Tectonics

CHRISTIAN FREUDE, TU Wien

Thermal Simulation for Interactive Conceptual Design

SOROOSH MORTEZAPOOR, TU Wien

A Large-Scale Haptic VR System Using a Collaborative Mobile Robot

VALENTIN SENK, TU Wien

Understanding Bio-Composite Mechanics to Enable Material-Informed Design

// Coffee break + SFB ACD exhibition

16³⁰ DANIELA MITTERBERGER, ETH Zürich, Switzerland

Augmented Human and Extended Machine: Adaptive digital fabrication
and human-machine collaboration for architecture

17¹⁵ KAI STREHLKE, Blumer Lehmann, Switzerland

Free Form Timber Architecture

// SFB ACD exhibition until 18³⁰