

GCD 6

SYMPOSIUM ON GEOMETRY AND COMPUTATIONAL DESIGN

NOV 29 | 2019 | 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 sixth Symposium on Geometry and Computational Design, at TU Wien on November 29th, 2019.

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, is open until November 25th.

We would like to gratefully thank our sponsors ATP architects and engineers and the VCC at KAUST.

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

9³⁰ OPENING

MICHAEL WIMMER, Director of the Center for Geometry and Computational Design,
MICHAEL DRMOTA, Dean of the Faculty of Mathematics and Geoinformation

9⁴⁵ MIRELA BEN-CHEN, Israel Institute of Technology, Israel

Chebyshev Nets on Discrete Surfaces

Coffee break

11⁰⁰ JAN KNIPPERS, University of Stuttgart, Germany

Integrative Computational Design and Construction for Architecture

11⁴⁵ KRISTINA SCHINEGGER, University of Innsbruck, Austria

Vague Geometries

Lunch break

14¹⁵ PETER SCHRÖDER, California Institute of Technology, USA

Shape from Metric

15⁰⁰ KATHRIN DÖRFLER, Technical University of Munich, Germany

Strategies for Robotic On-site Construction

Coffee break

16³⁰ VITEZSLAV STEMBERA, TU Wien, Austria

How to Predict the Plastic Collapse of Structures Efficiently?

16⁴⁵ GORAN SIBENIK, TU Wien, Austria

Data Exchange between Architectural Design and Structural Analysis Models

17⁰⁰ ARVIN RASOULZADEH, TU Wien, Austria

Variational Path Optimization of Linear Pentapods

17¹⁵ MICHAEL HENSEL, TU Wien, Austria

Embedded Architectures - En route to Data-driven Modelling for Architecture and Environment Integration



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