



Vienna, 19 – 21 September 2017

Call for Papers

DGCI (Discrete Geometry for Computer Imagery) brings together researchers in discrete models, discrete geometry and topology with applications in image analysis and image synthesis. This is the 20th edition of DGCI. It is organized by the Pattern Recognition and Image Processing Group (PRIP) of TU Wien, Vienna Austria.

Discrete geometry plays an expanding role in the fields of shape modelling, image synthesis, and image analysis. It deals with topological and geometrical definitions of digitized objects or digitized images and provides both a theoretical and computational framework for computer imaging.

The main topics of interest include (but are not limited to)

Models for Discrete Geometry

grids, discrete objects, discrete model properties, digitization schemes, metrics...

Discrete and Combinatorial Topology

Geometric Transforms

image mappings, distance transformation, skeletons and medial axis...

Discrete Shape Representation, Recognition and Analysis

Discrete Tomography

Morphological Analysis

Discrete Modelling and Visualization

Discrete and Combinatorial Tools for Image Segmentation and Analysis

Important Dates

Titel + Abstract submission: 14.02.2017

Full paper: 01.03.2017

Notification: 01.06.2017

Steering Committee

Eric Andres, Gunilla Borgefors, Srečko Brlek, David Coeurjolly, Isabelle Debled-Rennesson, Andrea Frosini, Maria-Jose Jimenez, Jacques-Olivier Lachaud, Nicolas Normand, Isabelle Sivignon

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