Aim, Scope and Topics

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 a computational framework for computer imaging.

This special issue of DAM is dedicated to the 17th International Conference on Discrete Geometry for Computer Imagery (DGCI 2013) which will be held in Seville, Spain, on March 20-22, 2013.

Topics of interest include, but are not limited to:

- Models for Discrete Geometry (lattice, discrete objects, discrete model properties, digitization schemes, metrics, etc.)
- Discrete and Combinatorial Topology
- Geometric Transforms (image mappings, distance transformation, skeletons, and medial axis, etc.) in the digital model
- Discrete Tomography
- Combinatorics and word theory in discrete models

The call for papers is not limited to the participants of the conference and is open to all papers related to the main theme of the event.

Submission Guidelines

All submitted papers will be reviewed according to the guidelines and standards of DAM. Only original, high-quality papers, in line with the DAM standard guidelines, will be considered for publication in this special issue. Submissions will be judged by their contributions to the special issue topic, clarity of presentation, potential impact to the field, and suitability to publication in an archival journal. The manuscript must be prepared according to "Author Guidelines" of DAM and submitted through the Elsevier DAM website. When submitting the manuscript, please select the option “Special Issue: DGCI2013” for the article type.
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Submission Deadline: May 31, 2013