



CTIC 2020

8th International Workshop
on **C**omputational **T**opology in **I**mage **C**ontext

May 27 - May 29, 2020 - Retz, Austria

Call for Papers

The 8th Workshop on Computational Topology in Image Context (CTIC) will be held in Retz, Austria between May 27 - May 29, 2020. CTIC 2020 is devoted to theoretical and computational aspect for the topological analysis of the images. The involved research field comprise of computational and discrete topology, geometric modeling, algebraic topology, compression analysis, recognition, visualization of nD digital images.

Topics

- Topological **invariants** and their **representation** for digital images
- nD **Segmentation** under topological constraints
- Topological **recognition**
- Topological methods for **visualization**
- **Application** of computational topology
- **Hierarchical approaches**
- **Parallel processing** and topological **optimization** in nD
- Experimental **evaluation**
- Topological features and **learning**

Key Dates

Jan 12, 2020	Paper submission
Feb 23, 2020	Notification of acceptance
Mar 08, 2020	Camera ready paper
May 27-29, 2020	Conference dates

General Chair — Program Chair

Walter Kropatsch Darshan Batavia TU Wien, Austria	Herbert Edelsbrunner IST, Austria
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Proceedings

The proceedings with accepted full papers will be published in the Springer's LNCS series. The authors of accepted talks are invited to submit extended versions of their work to the special issue of the journal Pattern Recognition Letters.

