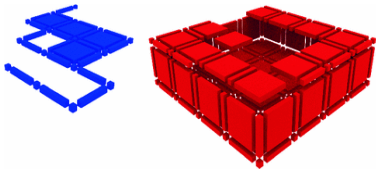
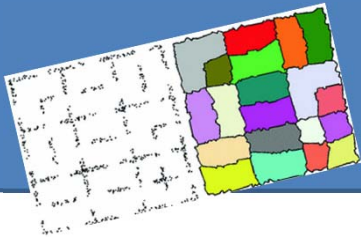


# CTIC2019

## 7<sup>th</sup> Workshop on Computational Topology in Image Context

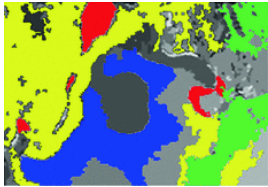
January 24-25, 2019

Malaga, Spain



## CALL FOR PAPERS

The 7th Workshop on Computational Topology in Image Context CTIC2019 will be held in Malaga, Spain on **January 24-25, 2019**. The general aim of CTIC workshops is to gather researchers dealing with the study of topological invariants and features from the computational point of view, and/or who want to use topological information in image engineering applications.



### Topics

- Topological features and invariants and their computation for digital images.
- Representations and compression of nD images based on topology
- Hierarchical approaches for images based on topology
- Image segmentation under topological constraints
- Parallel processing based on topology in multi-dimensional volume context
- Topology computation in parallel in multi-dimensional volume context
- Topological optimization for digital images
- Topological algorithms for image processing
- Topological transforms for digital images
- Topological recognition of digital images
- Experimental evaluation of heuristics based on topology in image processing
- Topology methods for visualization of nD digital images.
- Applications of computational topology in biomedical imagery.
- Use of topological information in image engineering applications.
- Machine learning using topological features
- Topology in biomedical imaging

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 "Topological Analysis and Recognition" of the journal **Pattern Recognition Letters**.

### Organising Committee

Rebeca Marfil, Mariletty Calderón, Antonio Bandera,  
UNIVERSITY OF MALAGA, SPAIN

Fernando Díaz del Río  
UNIVERSITY OF SEVILLE, SPAIN

### Key dates

• Registration opens	July 2018
• Submission deadline	September 17, 2018
• Acceptance notification	October 8, 2018
• Camera ready	October 22, 2018
• Conference dates	January 24-25, 2019

<http://www.ctic2019.uma.es>