

# Call for Papers

## Pattern Recognition Letters

### Special Issue on Advances in Mathematical Morphology

Submission deadline: October 1<sup>st</sup>, 2013

#### Advances in Mathematical Morphology:

This special issue will cover advances in the field of Mathematical Morphology, either purely theoretical advances, or new ways of applying it to real-world problems.

#### Main topics of interest:

- **Applications:** Geoscience and remote sensing, Biomedical imaging, Materials science, Data analysis, Document processing, Content-based information retrieval, Video surveillance, Industrial control, Visualisation, etc.
- **Theory:** Morphology on complete lattices and semilattices, Representation of morphological operators, Fuzzy morphology, Connectivity theory, Connected operators, Morphology on graphs.
- **Filtering:** Colour and multi-channel morphology, Geodesic transformations, Adaptive morphology, Attribute filtering, Image simplification.
- **Segmentation:** Watershed segmentation, Hierarchical segmentation, Colour image segmentation, Texture segmentation, Clustering of spatial data.
- **Geometry and Topology:** Discrete geometry, Metrics and distance transforms, Random sets and geometrical probability, Shape analysis.
- **Algorithms and Architectures:** Efficient implementations, Data structures for morphology, Performance evaluation of algorithms, GPU implementations.
- **Related methodology:** Level set methods, Morphological PDEs, Wavelets, Scale spaces.

#### Submission Information:

See detailed Guide for Authors here:

<http://www.elsevier.com/journals/pattern-recognition-letters/0167-8655/guide-for-authors>

Papers should have a maximum of 10 pages in the journal template. This template will be made available soon through the link above.

Submit your paper here: <http://ees.elsevier.com/patrec>. Make sure to select “AMM” as the manuscript type. Submission opens September 1<sup>st</sup>, submission deadline is October 1<sup>st</sup>.

Papers will be reviewed according to the journal standards. Papers will receive at most two rounds of reviews. We will strive to finish the first round of review four to six weeks after submission.

For more information, please contact the Guest Editor.

#### Guest Editor:

Cris L. Luengo Hendriks

Centre for Image Analysis, Swedish University of Agricultural Sciences and Uppsala University

<http://www.cb.uu.se/~cris/>