

Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals. All open submissions will be peer reviewed subject to the standards of the journal. Manuscripts based on previously published conference papers must be extended substantially.

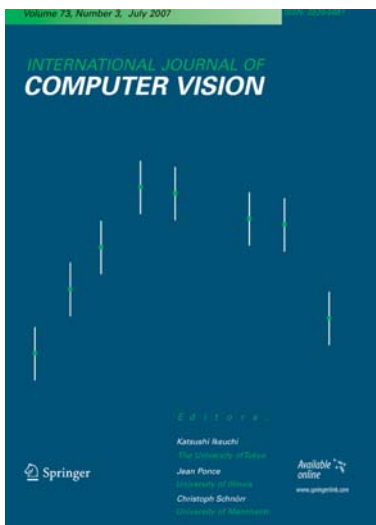
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Manuscripts should be submitted to: <http://VISI.edmgr.com>. This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats.

Important Dates

- Paper submission deadline:
July 1, 2014

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Special Issue Call for Papers

Graphical Models for Scene Understanding

Guest Editors

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Graphical models provide a ubiquitous modeling paradigm, which has been successfully employed up to now in a wide variety of computer vision tasks, including both low-level and high-level vision problems. Furthermore, due to their representational power, their modularity and (most importantly) due to their ability to efficiently capture dependencies or encode constraints, such models allow one to reason globally about an image or a scene. As such, they are expected to be of fundamental importance with regard to the task of natural scene understanding, which constitutes one of the central themes and goals of computer vision research.

The aim of this special issue is to present exciting recent developments or interesting new ideas that will enable further progress in this area. To that end, we solicit high-quality full-paper submissions, involving novel approaches or uses of graphical models towards advancing the state of the art on various aspects of scene understanding, including but not limited to:

- Related inference algorithms, in particular for higher order models
- Related learning methods, including ones that deal with partially and weakly labeled data, as well as large scale problems
- Holistic approaches to scene understanding
- Object detection/recognition in connection with scene understanding and image parsing
- Dynamic aspects of scene understanding and inference

Authors who are unsure whether their planned submission is in scope may contact the guest editors prior to the submission deadline with an abstract, in order to receive feedback.

All papers will undergo the same rigorous IJCV review process. Please refer to the IJCV website for detailed instructions on paper submission. Please choose "SI: Graphical Models for Scene Understanding" as the Article Type. The review process will be single-blind. The editors reserve the right to reject without review submissions that are either low quality or are out of scope. If a preliminary version of the paper appeared in a prior conference (say, CVPR or ICCV), a detailed description of the differences between the submissions is required.