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Call for Papers

Journal of Visual Communication and Image Representation (JVCI)

Special Issue on

“Large-Scale Image and Video Search: Challenges, Technologies, and Trends”

The past recent years have witnessed the explosive growth of image and video data on the Internet, which brings significant challenges and profound impacts to search and related technologies. It is challenging for many existing algorithms to effectively and efficiently handle very large collections of image and video contents, especially when the scale rises from tens of thousands to tens of millions or even billions. Fortunately, along with the growth of imagery contents, more and more resources on the Internet become available, such as the associated metadata, context and social information. In addition, the power of grassroots has been fully demonstrated in the Web 2.0 era. For example, they can easily tag and comment on millions of images and videos, as well as label millions of images via a simple game. These facts have both raised challenges of large-scale search and provided opportunities for inventing new methodologies and pushing forward the frontiers of information technology. Recently, many research efforts are dedicated to developing new search technologies to overcome the scalability issue. This trend of rapidly increasing data scales is anticipated to spread across a still wider range of research communities. This special issue is intended to bring together the latest research results in this direction.

Scope

The scope of this special issue is to cover all aspects that relate to large-scale image and video search. Topics of interest include, but are not limited to

- Large-scale image and video indexing, including high-dimensional indexing, semantic-based indexing, etc.
- Large-scale image and video annotation/tagging, including new annotation and tagging interface, concept detection, categorization, tag recommendation, game-based tagging, tag filtering, etc.
- Large-scale image and video ranking, including ranking models, reranking, learning to rank, ranking performance evaluation, etc.
- Interactive image and video search, including relevance feedback, query suggestion, recommendation, etc.
- Image and video search presentation, such as search results clustering, browsing, and summarization.
- Large-scale image and video copy detection and near-duplication detection.
- Large-scale social-network analysis for image and video applications.

For more information

www.elsevier.com/computerscience



Important dates

Manuscript Submission by:
01-Nov-2009

Decision Notification:
01-Mar-2010

Final papers due to JVCI:
01-Apr-2010

Tentative Publication in:
Fall, 2010

- Large-scale image and video benchmark dataset for research.
- Large-scale image and video meta-search.
- Personalized image and video search.

About the Journal

The *Journal of Visual Communication and Image Representation* publishes papers on state-of-the-art visual communication and image representation, with emphasis on novel technologies and theoretical work in this multidisciplinary area of pure and applied research. The field of visual communication and image representation is considered in its broadest sense and covers both digital and analog aspects as well as processing and communication in biological visual systems.

Information for Authors

Authors should prepare their manuscript according to the "Guide for Authors" available from the journal's online submission system at <http://ees.elsevier.com/jvci/>. Prospective authors should submit high quality, original manuscripts that have not appeared, nor are under consideration, in any other journals. All submissions will be peer reviewed following the JVCI reviewing procedures. When submitting your paper via the website above, please make sure to select "Special issue: **Large Scale Image Video Search**" as the Article Type. First time users need first of all register themselves as Author.