

MTAP Call for Papers: Special Issue on Semantic Concept Discovery in MM Data

The explosive increase of multimedia data (i.e., text, image, and video) on the Internet has brought the great challenge of how to effectively index, retrieve and organize these resources. Much research attention has been paid to discover semantic concepts in multimedia data. This special issue aims to collect recent state-of-the-art achievement on semantic concept discovery, especially the work devoted to several new challenges in this field. Another focus of this special issue will be recent advances on semantic event detection, which refers to detect unseen event without any training data. To achieve this goal, a bunch of concept classifiers should be trained beforehand. How to efficiently train these classifiers with millions of videos is still an open problem. Novel large-scale concept training method are highly appreciated. This special issue also welcomes works on automatically discovering semantic concepts from online resources.

Topics of interest include but not limited to,

- Semantic Event Detection
- Multimedia Search and Retrieval
- Ontology Design and Semantic Concept Detection
- Novel Large-Scale Concept Classifier Training
- Novel Machine Learning Algorithms on Semantic Concept Discovery
- Survey papers regarding the topic of Semantic Concept Discovery

Submitted papers should present original, unpublished work, relevant to one of the topics of the Special Issue. All submitted papers will be evaluated on the basis of relevance, significance of contribution, technical quality, scholarship, and quality of presentation, by at least three independent reviewers. It is the policy of the journal that no submission, or substantially overlapping submission, be published or be under review at another journal or conference at any time during the review process.

Important Dates:

Paper Submission: March 15, 2017

First Notification: May 1, 2017

Revised Manuscript: Jun 15, 2017

Final Manuscript Due: Aug 1, 2017

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