

CALL FOR PAPERS

Second International Workshop on Visual Analysis and Geo-Localization of Large-Scale Imagery

In conjunction with CVPR 2013, Portland, Oregon

June 23, 2013

Recent availability of large scale geo-tagged images on social and photo-sharing websites has spurred a growing interest in developing automatic methods for image geolocation. We believe research on visual analysis and geo-localization of large-scale imagery can greatly benefit by bringing together researchers from areas of computer vision, computer graphics, photogrammetry, computational optimization, geographic information systems, and other related fields. Such a gathering will lay down a foundation for an integrated approach for building earth-scale models and their exploitation for automatic geolocation. In addition, complementary viewpoints and techniques from these diverse areas will provide additional insight into the problem domain and spur new research directions. The focus will be on exchange of ideas on how to develop visual analysis and geo-localization capabilities that make use of vast amount of contextual information available on the internet. As a byproduct, the relevant communities will also benefit as this workshop will lead to improved methods for data-driven modeling and analysis of large-scale imagery. Papers describing novel and original research are solicited in the areas related to visual analysis and geo-localization of large-scale imagery. Topics of interest include but not limited to:

- Visual Feature and Information Extraction from Large-Scale Imagery
- Understanding and Modeling Uncertainties in Visual and Geospatial Data
- Semantic Generalization of Visual and Geospatial Data
- Representation, Indexing, Storage, and Analysis of City-to-Earth Scale Models
- Automated 3D Modeling Pipelines for Complex Large-Scale Architectures
- Integrated Processing of Point Clouds, Image, and Video Data
- Multi-Modal Visual Sensor Data Fusion
- Control Mechanisms that aid in Visual Analysis and Geo-Localization
- Rendering and Visualization of Large-Scale Models, Semantic Labels and Imagery
- Applications of Visual Analysis and Geo-Localization of Large-Scale Imagery
- Datasets and Model Validation Methods for Analysis and Geo-localization Research

Papers should describe original and unpublished work about the above or closely related topics. Each paper will receive double blind reviews, moderated by the workshop chairs.

Invited Speakers

Marc Pollefeys	ETH Zurich, Switzerland
Cordelia Schmid	INRIA, France
James Hays	Brown University, USA
Josef Sivic	INRIA, France
Noah Snavely	Cornell University, USA

IMPORTANT DATES

Submissions deadline:	March 22, 2013
Author notification:	April 22, 2013
Camera-ready:	May 3, 2013
Workshop:	June 23, 2013

<http://vision.eecs.ucf.edu/cvpr-2013-workshop/>

General Chairs

M. Shah, UCF, USA
L. Van Gool, ETH, Switzerland

Program Chairs

A. Hakeem, ObjectVideo, USA
J. Frahm, UNC., USA
A. Efros, CMU, USA
K. Shafique, ObjectVideo, USA
O. Javed, SRI Sarnoff, USA

Program Committee

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