



LBP 2012

International Workshop on

Computer Vision With Local Binary Pattern Variants

Daejeon, Korea, November 5th, 2012

In conjunction with the 2012 Asian Conference on Computer Vision ACCV 2012

Due to its discriminative power and computational simplicity, the Local Binary Pattern (LBP) operator has become a highly popular approach in various computer vision applications. It is a powerful gray-scale invariant measure, derived from a general definition of texture in a local neighborhood. It has inspired plenty of new research on related methods. Since its introduction, several variants have been proposed to improve the discriminative power and robustness of the operator. This focused workshop aims to discuss the state-of-the-art and present the most recent developments on the use of LBP and related methods in computer vision.

Call for papers: We invite authors to contribute with original articles that will stimulate the research community on the use of LBP and its variants in computer vision. Besides traditional applications (texture classification, biometrics, etc.), we are also interested in works describing modern fields of LBP applications such as 3D range data analysis, dynamic texture analysis, image and video analysis in unconstrained environments, video synthesis, object tracking/recognition, etc.

The topics of interest include, but are not limited to:

- ❖ LBP in various computer vision applications
- ❖ New variants of local binary patterns
- ❖ Novel descriptors inspired by local binary patterns
- ❖ Comparative analysis of different LBP variants
- ❖ New application areas of local binary patterns
- ❖ LBP Implementations in embedded vision systems
- ❖ Biomedical image analysis using LBP
- ❖ Feature selection and learning methods for LBP

Paper Submission: The manuscripts should be submitted as PDF files and should have no more than 12 pages in the ACCV paper format and policy. Each paper will be peer-reviewed by at least two reviewers. Acceptance will be based on relevance to the workshop, novelty, and technical quality. Note that ACCV2012 allows dual submission of the same manuscript to the main conference and to the LBP2012 workshop.

<https://sites.google.com/site/lbp2012ws/>

Organizers

- Abdenour Hadid, University of Oulu, (Finland)
- Matti Pietikäinen, University of Oulu, (Finland)
- Jean-Luc Dugelay, Eurecom, (France)
- Sebastien Marcel, IDIAP (Switzerland)
- Stan Z. Li, Chinese Academy of Sciences (China)