

ICPR
The 21st International
Conference on Pattern Recognition
2012

21st International Conference on Pattern Recognition

November 11-15, 2012
Tsukuba International Congress Center
Tsukuba Science City, JAPAN



Workshop Chairs:

Xiaoyi Jiang, Germany
Olga Bellon, Brazil
Dmitry Goldgof, USA
Takeshi Oishi, Japan

Workshop Website:

<http://cvpr.uni-muenster.de/WDIA2012/>

Conference Website:

<http://www.icpr2012.org>

Inquiries:

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Important Dates:

Paper submission: 2012/6/18
Author notification: 2012/7/10
Early registration: 2012/7/15
Final manuscript: 2012/7/31



Call for Papers

International Workshop on Depth Image Analysis (WDIA 2012)

In Conjunction with 21th International Conference on Pattern Recognition 2012
November 11th, 2012, Tsukuba Science City, Japan

Scope:

3D depth data has turned out to be a key information source for solving a large number of challenging applications. In the past substantial advances have been demonstrated to process, analyze, and interpret depth data. Through the recent development in consumer depth cameras, in particular the low-cost Kinect, a new era of depth data analysis emerges. Affordable depth cameras are changing the landscape of computer vision and related research fields, with profound impact far beyond the consumer electronics.

The purpose of this workshop is to timely address the challenges in advanced depth acquisition techniques, processing and analyzing depth data, and solving novel and challenging applications. The workshop will bring together researchers from multiple subfields to discuss the major research problems and opportunities of the emerging depth camera revolution.

The scope of this workshop includes, but not limited to, the following areas:

- Depth acquisition techniques
- Processing of depth data
- Analysis of depth data
- Fusion of depth data with other modalities
- 3D object recognition
- 3D shape modeling and retrieval
- 3D biometrics
- Human action recognition in depth data
- 3DTV, e.g. Depth-Based Image Rendering
- Augmented reality / mixed reality
- Biomedical applications of depth data
- Other applications of depth data analysis
- Depth datasets
- Depth data visualization

The intended participants of this workshop are on the one hand researchers in pattern recognition and computer vision who work in the field of depth data processing and analysis. On the other hand, researchers with 3D vision applications are welcome to explore the potential of applying depth sensing techniques to solve challenging application problems.

Publication:

All accepted papers will be made available online at the time of workshop. In addition, post-workshop proceedings with revised version of the papers will be published as an LNCS book by Springer.