

International Workshop on Understanding Human Activities through 3D Sensors



Ljubljana, Slovenia, May 4-8, 2015

<http://www-rech.telecom-lille.fr/uha3ds2015>

In conjunction with the 11th IEEE Int. Conf. on
Automatic Face and Gesture Recognition (FG 2015)

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Formerly introduced for interactive entertainment and gaming, RGB-D scanning devices pave the way to more robust and accurate approaches in a broad range of application domains including surveillance, life-care, domotics and natural human computer interfaces to say a few. The availability of synchronized color and depth data over time has led to an explosive growth of research targeting the design of systems that rely on computer vision and machine learning models to understand human activities carried out individually as well as collaboratively. This workshop is to bring together leading researchers in this and related fields to advocate and promote the research into understanding human activities through 3D sensors. The workshop aims to provide an interactive platform for researchers to disseminate their most recent research results, discuss rigorously and systematically potential solutions and challenges, and promote new collaborations among researchers.

Relevant topics for the workshop include but are not limited to:

1. Human action recognition
2. Daily activity analysis
3. Behaviour analysis in social contexts
4. Human body language
5. Modelling and recognition of gestures, actions and group activities
6. Bodily expression analysis and synthesis
7. 3D pose estimation
8. Hand gesture analysis
9. Social Human-Computer-Interfaces
10. Human body motion, detection and analysis
11. Benchmark datasets for human activities and actions
12. Applications in tele-rehabilitation, gaming, augmented reality, biometry and surveillance

Papers accepted for publication at the UHA3DS 2015 workshop will appear in the *Proceedings of IEEE FG 2015 & Workshops*. Submissions may be up to 8 pages in the FG-2015 conference paper format, though papers longer than 6 pages will be subject to an extra page-fee. Papers will be selected by a single blind review process (reviewers are anonymous) based on their originality, timeliness, significance, relevance, and clarity of presentation.

IMPORTANT DATES:

Paper submission deadline: ~~January 12, 2015~~. Extended to January 18, 2015.

Notification of acceptance: February 8, 2015

Camera ready paper submission: February 18, 2015

FOR MORE INFORMATION:

<http://www-rech.telecom-lille.fr/uha3ds2015>