



## Computer Vision Methods for Ambient Intelligence

### Rationale

Ambient Intelligence (Aml) is an innovative paradigm that promotes the advancement of science and technology to build smart environments. Aml proponents advocate an invisible technological support layer of information processing to improve the quality of life in public and private spaces. A robust Aml system requires a variety of algorithms and state of the art methodologies from the fields of Computer Vision, Robotics and Artificial Intelligence. This special track will focus on Computer Vision techniques as an essential part of an Aml system.

Any paper submission on any of the following topics of Computer vision is welcome. Papers outside the following topics will also be considered for inclusion in the special track.

### Topics

- Multi-camera Monitoring
- Visual Information fusion from hybrid sensor network
- Visual Information compression and manipulation
- Methods for robust and reliable scene understanding
- Machine Learning methods for adaptive vision
- Calibrated vs uncalibrated vision
- Robot Vision

### Organisers:

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