Computer Vision Methods for Ambient Intelligence

Rationale
Ambient Intelligence (AmI) is an innovative paradigm that promotes the advancement of science and technology to build smart environments. AmI proponents advocate an invisible technological support layer of information processing to improve the quality of life in public and private spaces. A robust AmI 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 AmI 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

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