



## Committee

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The 5th CoSDEO workshop aims to bring together researchers and practitioners working on the design, implementation, and evaluation of systems, algorithms or models the contact-free ambient sensing, localizatin and tracking. Recently, contact-free and device-free sensing receives growing interest.

The possibility to acquire sensor information without instrumenting users and without the drawbacks of e.g. optical systems has great potential for typical applications of Ubiquitous Computing. It is therefore the goal of CosDEO 5th to provide a publication and discussion platform for this growing community in which fundamental problems but also sophisticated approaches can be presented. Thus, we like to encourage scientists in all stages of their research, from first experiments to readily developed and evaluated systems, to submit their original work to allow a broad discussion with established field experts but also researchers relatively new to the field. Even if work is in a very early stage all submitted work must conform to typical scientific requirements; showing a good overview of the field and the specific area of the context of interest. If the paper is based on a technical system the system should be described and discussed thoroughly. Besides regular papers, we also encourage submission of visionary papers which must not describe completed research but contain ideas new to the field. These maybe related to novel techniques for contact-free ambient sensing contexts but also novel applications and designs of this sensing paradigm.

## Important dates

**Paper Submission:** 11 December, 2015

**Notification:** 2 January, 2016

**Camera-ready:** 15 January, 2016

## Paper submission

Manuscripts must be formatted in accordance with the IEEE Computer Society author guidelines. Papers must not exceed 6 double column pages including text, figures and references. Submission (pdf) to CoSDEO 2016 is managed through EDAS..

### Scope

Topics of interest include, but are not restricted to:

- *Contact-free sensing, localization and tracking*
- *Fusion of multimodal sensor data for contact-free sensing*
- *Energy efficient contact-free sensing*
- *Propagation models to capture human effects*
- *Architectural design for contact-free sensing systems*
- *Reducing the effort of system calibration or recalibration*
- *Scaling laws and limits for contact-free sensing modality*
- *Novel hardware and sensor design for contact-free sensing*
- *Data reduction, inference and mining for contact-free sensing*
- *Experience with real-world deployments and applications*
- *Context reasoning models/algorithms for contact-free sensing*
- *Signal processing techniques for contact-free sensing*
- *Sensing sentiment with contact-free systems from ambient sources*
- *Device-free radiobased systems*
- *Experimental work and field studies on contact-free systems*
- *Models/algorithms for contact-free ambient sensing*
- *Reports on the evaluation of contact-free ambient sensing*
- *System architectures for contact-free ambient sensing*