

# 2nd PerAda Workshop on User-Centric Pervasive Adaptation @

## MobiQuitous 2010

### Sydney, Australia 6th - 9th Dec 2010

**Submission Deadline:  
31st AUGUST**

The goal of this workshop is to bring together researchers from different fields of expertise, widen mutual understanding and promote more intense collaboration in this new interdisciplinary domain. Furthermore a cross-discipline forum should create an opportunity for the participants to exchange ideas about a wide range of topics related to pervasive adaptation and contextual/personal awareness, covering theoretical aspects as well as practical methods, concrete applications, system architectures and use cases. A special attention should be paid to preserving privacy. In a massively interconnected cyber space that relies on sensitive users' data, protecting privacy is a major issue, usually neglected in the euphoric tendency to develop smart systems. Attention needs to be paid to engineering privacy i.e. to such software solutions that create safe clouds of personal data which can be used for local control and still remain invisible to the outside world.



[www.mobiquitous.org/workshops](http://www.mobiquitous.org/workshops)

#### Topics include:

- Software engineering for pervasive adaptive systems
- Architecture and infrastructure of pervasive adaptive systems
- Algorithms for data processing, learning and reasoning
- Ontology and modelling of pervasive adaptive systems
- Formal notations and methods for modelling adaptation
- Agent-based approaches to software adaptation
- User-centric adaptive software
- Middleware for pervasive adaptive systems
- Physiological/Affective computing
- Seamless methods to sense, analyze and influence the psycho-physiological state of the user
- Design of user interfaces for pervasive adaptive applications
- Man-machine confluence
- Empathic applications
- Ethical issues

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