

Call for Papers

Model Driven Software Engineering for Ambient Intelligence Applications

*Workshop at the AmI-07 European Conference on Ambient Intelligence
November 7-10, 2007, Darmstadt, Germany*

The implementation of AmI applications is a task of tremendous complexity requiring the seamless integration of heterogeneous systems in an open and flexible way while providing the means for adaptivity and context-awareness. For example, intelligent user interfaces have to adapt to the available modalities for interaction or several ubiquitous devices have to cooperate to realize smart environments.

New engineering approaches are needed in order to facilitate the efficient design, development and the deployment of AmI applications. Model driven approaches may be able to contribute to a solution by providing the means to build specific applications in a (semi-)automatic way from abstract models using well-defined transformations.

The workshop will deal with all aspects concerning the application of **model driven approaches for AmI applications** and should help to evaluate their potential. Hereby, the workshop concentrates on, but is not restricted to the following aspects:

- software engineering techniques and methodologies,
- model specification, languages and ontologies,
- (semi-)automatic model transformation,
- model checking, validation and verification,
- formal specification of system-user interaction and system behaviour,
- modeling tasks, users, devices, context and situation,
- development tools,
- context-aware adaptation, and
- multimodal interaction and user interfaces.

We ask for short papers (4 to 8 pages) in Springer LNCS format describing original work or general topics of MDSE applied to AmI (overviews, position papers). Templates and submission will be provided via the workshop website. The papers will either be published in the common AmI workshop proceedings or electronically. However, it is planned to publish a book on the theme of the workshop in the Springer HCI series. Therefore, we will ask the authors of selected papers to provide substantially extended versions of their contributions after the workshop as chapters for that book.

Important Dates:

September 2, 2007	Extended Submission Deadline
October 1, 2007	Notification of Acceptance
November 7, 2007	Workshop at AmI-07

Workshop Website:

www.ami-07.org/workshop/mda/index.htm

The workshop is scientifically endorsed by the **ERCIM Working Group on Smart Environments and Systems for Ambient Intelligence** SESAMI (www.ics.forth.gr/sesami/) and the **Similar Network of Excellence** (www.similar.cc).

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