5th International Workshop on Model-driven development of Advanced User Interfaces

**MDDAUI 2010**

**Bridging between User Experience and UI Engineering**

**Abstract**

The workshop on Model-Driven Development of Advanced User Interfaces (MDDAUI 2010) is a forum of multi-disciplinary discussion on how to integrate model-driven development with the often more informal methodologies used in user-centered design. Starting point of the discussion are the tools, models, methods and experiences of the workshop participants.

**Format**

The workshop takes one full day during the CHI 2010 conference. The workshop will consist of short presentations by all workshop participants followed by in-depth group discussions on selected topics. The results of this group work will be presented and discussed in a closing plenary session.

**Advanced User Interfaces?**

Multiple devices/interaction techniques, safety critical (e.g. airplane cockpit), context-sensitive (e.g. unified mobile industrial operator display), cooperative, collaborative, post-wimp, ...

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**Tools**

Simulation, Evaluation, Creation, Mappings, Relations, Transformations, Model-driven

**Methods**

Simulation, Evaluation, Creation, Mappings, Relations, Transformations, Model-driven

**Types/Abstractions**

End-user, Domain expert, Simulation, Evaluation, Creation

**MODELS**

Tools, Methods, Domain expert, End-user, Relations, Transformations

**When?**

Design, Analysis, Runtime

**Models**

User-centered, Iterative, User interface, Task model, System behaviour model, Cameleon reference framework

**When?**

Creation, Mapping, Iterative

**Engineering**

Task model, System behaviour model, Cameleon reference framework, UI architecture

**Cognitive science**

GOMS, user behaviour model, Saliency model

**HCI**

Interaction techniques, User roles, Scenario, Standards, User knowledge

**Physical abilities**

Guidelines, Perception, Cognitive workload model

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**Organization**

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http://www.lero.ie/mddau2010