

***First Workshop on***  
***-- Models and Aspects --***  
***Handling Crosscutting Concerns in MDSD --***

At the

19th European Conference on Object-Oriented Programming,  
25-29th July 2005  
Universities of Glasgow and Strathclyde, Glasgow UK

***Abstract***

Both, Model-Driven Software Development (MDSD) and Aspect-Oriented Software Development (AOSD) are considered important new paradigms in modern software engineering. While the two approaches are different in many ways – MDSD adds domain-specific abstractions, while AOSD is currently primarily seen as an implementation technique – they also have many things in common – for example they both have a query phase followed by a construction phase. But more importantly, we think that it is useful to use both techniques in combination. Two examples for combining MDSD with AOSD could be aspect-oriented modeling combined with code generation, or the generation of pointcuts for AO languages from a domain model.

Potential topics include, but are not limited to:

- AO requirements engineering support for domain analysis
- handling crosscutting concerns in modeling
- generating aspects from models
- aspect weaving in models
- generation of modeled aspects to non-AO languages
- separation of domain abstractions using AO
- resolving crosscutting concerns in templates

***Goal***

This workshop aims at exploring new approaches of using Model-Driven and Aspect-Oriented Software Development together. We will invite researchers and practitioners to present their approaches and discuss the relevance for practical software development.

***Workshop Format***

**Workshop preparation**

Every interested person is invited to apply for attendance by sending a position paper to the organizers. The submission should be one to two pages describing the key ideas. Submissions will be reviewed by the organizers. The authors will be notified about acceptance before the early registration deadline.

## **Planned workshop activities**

The workshop is laid out as full day workshop. Instead of presenting the papers, each participant will be expected to review everyone else's paper before the workshop and complete the following two sentences for each:

- What I really liked about this paper is...
- The most important question I would like to ask the author is...

These answers are written down on index cards and will be collected before the workshop. During the workshop, we will spend the morning with questions and answers to gain deeper insight into the problem described in the paper. Before each paper session, the author will be permitted a 5 minute slot to briefly present his paper/work. The workshop format in the afternoon will utilize the "Open Space" format in order to discuss topics of interest that are directly or indirectly related to the papers presented in the morning.

## **Important Dates**

Position Papers Due	Monday, May 30, 2005
Notification of Acceptance	Sunday, June, 12, 2005
Workshop	Tuesday, July 26, 2005

## **Submissions**

Attendance to the workshop is limited to facilitate lively discussions and the exchange of ideas. Interested parties are invited to submit a position paper (max. 2 pages) in PDF, ASCII, HTML or MS Word format by email to [christa.schwanninger@siemens.com](mailto:christa.schwanninger@siemens.com), no later than Monday, May 30, 2005.

## **Organizers**

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