In conjunction with

1ˢᵗ Workshop   WoMM'05

on Meta-Modelling and Corresponding Tools

March 8, 2005, Essen (Germany)

Call for Submissions

Motivation

Both, enterprise modelling and software engineering require the use of modelling languages. Applying these languages will usually depend on the deployment of corresponding modelling tools. However, general purpose modelling languages, such as the UML, often fail to satisfy specific modelling needs. While special purpose modelling languages may fill this gap, it will usually be no option to develop corresponding modelling tools from scratch. Meta-modelling tools can be a solution to this challenge. However, there are various approaches to meta-modelling and corresponding tools. Due to the complexity of these tools, it can be very demanding for prospective users, to evaluate them against their requirements. For designers of meta-modelling languages and corresponding tools, it remains a big challenge to define a proper balance between general purpose concepts and specific features that support particular modelling domains and purposes. So far the exchange of ideas and experience between prospective tool users and tool developers has been rather limited.

Objective

The workshop provides a forum for professionals involved in meta-modelling, including language users, language designers and tools developers — both from industry and academia. Suggested topics of this workshop include, but are not restricted to:

-   meta-modelling languages
-   architectures and concepts of meta-modelling tools
-   generic code generation
-   integration of meta-modelling tools
-   meta-modelling patterns
-   special purpose modelling languages
-   requirements for modelling languages and tools
-   requirements for meta modelling tools
-   user interface aspects of modelling tools
-   case studies in applying MM tools
-   economics of MM tools

Submissions

The program committee is soliciting research papers and case studies. Research papers should present relevant research results or research in progress. Case studies may address any aspect concerning practical experience with meta-modelling concepts as well as with meta-modelling tools in academia and practice.

For both categories of papers, authors are requested to submit an extended abstract (max. 2 pages DIN A4) until February 1, 2005. The program committee will select abstracts that promise a substantial and interesting contribution to the workshop subject. Authors of accepted abstracts will be asked to submit a full paper (8-10 pages) after the workshop, which should take into account the discussions during the workshop. The papers will be peer reviewed, evaluating significance, originality and technical quality. Accepted papers will be published in the Communications of the SIG-EM.

Electronic versions of the extended abstracts (Format: Word or PDF) should be sent to womm@wi-inf.uni-essen.de until February 1, 2005 .

Elaborate Tool Presentations

The workshop also gives the opportunity to present and discuss meta-modelling tools. Developers of meta-modelling tools are invited to demonstrate their tools' capabilities. Due to the complexity of meta-modelling tools, their evaluation is a demanding task. To foster the comparison of tools, we prepared a catalogue of archetypical modelling constructs. They should be implemented by the tool developers using their respective meta-modelling tool. The catalogue is available on the web (http://www.wi-inf.uni-essen.de/FGFrank/WoMM). In addition to a presentation, the tool developers are encouraged to submit a paper, which describes in detail the steps required to specify the suggested modelling constructs.

Important Dates

February 1, 2005	Deadline for submission of extended abstracts
February 11, 2005	Notification of acceptance
June 1, 2005	Deadline for preliminary submissions
June 20, 2005	Notification on final acceptance
July 30, 2005	Submission of final version

Location

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