1ˢᵗ International Workshop on Algebraic Foundations for OCL and Applications (WAFOCA'06)

Valencia, March 22ⁿᵈ, 2006
Technical University of Valencia
Information Systems and Computation Department

Workshop Description

WAFOCA'06 is the 1st International Workshop on Algebraic Foundations for OCL and Applications. WAFOCA'06 is funded by the DYNAMICA project. Its aim is to bring theoreticians, developers and practitioners together to discuss different formal approaches to apply OCL as both constraint and query language in the Model-Driven Engineering field.

Aims and Scope

Model-Driven Development has evolved to the Model-Driven Engineering field, where not only design and code generation tasks are involved, but also traceability, model management, metamodeling issues, model interchange and persistence, etc. To fulfil these tasks, model transformations and model queries are relevant tasks that must be solved. In the MDA context, they are dealt from an open-standard point of view. The standard Query/Views/Transformations (QVT) provides support for both transformations and queries, where OCL seems to be the best choice for defining model queries. OCL is a textual language that is defined as a standard "add-on" to the UML standard. It is used to define constraints and queries on UML models, allowing the definition of more precise and more useful models. It can also be used to provide support for metamodeling. Despite its many advantages, while there is wide acceptance for UML design in CASE tools, OCL lacks a well-suited technological support.

In this workshop, we focus on the development of tools that provide formal support for OCL and on its applications as well. Special interest is given to algebraic formalisms or graph grammar-based approaches, and applications. This workshop solicits research contributions and experience reports having an impact on the study of formal approaches for OCL and its applications. Paper submission will be done by **invitation**, whereas the attendance to the workshop is free. Topics of interest include (but are not restricted to):

- executable specifications;
- algebraic or graph grammar-based approaches for OCL;
- experience reports on development of tools or proposals;
- experience reports on usage of tools or proposals:
    - definition of metrics,
    - support for precise modelling/metamodelling,
    - support model transformations,
    - extensions for behaviour specifications,
    - support for model testing and simulation,
    - ontology development and validation for the Semantic Web

Important Dates

Deadline for abstract submissions: **Marh 3, 2006**
Deadline for full paper submissions: **Marh 10, 2006**
Notification of authors: March 15, 2006
Deadline for final version: March 20, 2006
Workshop date: March 22, 2006

Invited Speaker

Dr. Reiko Heckel (http://www.cs.le.ac.uk/people/rh122/)

Paper Submission and Workshop Proceedings

Paper submission will be done by **invitation**.

Submitted papers should be 8-15 pages in length. Papers must be submitted by email as postscript or pdf documents to José Á. Carsí (pcarsi@dsic.upv.es). The organizing committee will review the submissions and select papers according to their relevance and interest for the discussions that will take place at the workshop. Authors are encouraged to use the Springer LNCS format (http://www.springer.de/comp/lncs/authors.html) for their papers.

The official language of the workshop is **English**. All accepted papers will be published by the publishing services of the Technical University of Valencia as Technical Report (ISBN is being negotiated). Online proceedings will be available at the WAFOCA'06 web site after the workshop. It is mandatory, that at least one author of each accepted paper attends the workshop and presents the paper there.

Location

WAFOCA 2006 will be held in Valencia, Spain in March 22nd, 2006. More information for venue, registration and accomodation will be available after the notification deadline.
For information about Valencia, see among others:
- the city web page: http://www.ayto-valencia.es/
- tourist information about the city: http://www.turisvalencia.es/index.aspx
- information about the Arts and Science City in Valencia: http://www.cac.es/
- official web site of the FALLES festival: http://www.fallas.com/

Workshop Organizers

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