Welcome to the Fifth Domain-Specific Modeling Workshop – DSM'05

Domain-Specific Modeling aims at raising the level of abstraction beyond programming by specifying the solution directly using domain concepts. In a number of cases the final products can be generated from these high-level specifications. This automation is possible because of domain-specificity: both the modeling language and code generators fit to the requirements of a narrow domain only, often in a single company.

This is the fifth workshop on Domain-Specific Modeling, following the encouraging experiences from the earlier workshops at past OOPSLA conferences (Tampa 2001, Seattle 2002, Anaheim 2003 and Vancouver 2004). During the time the DSM workshops have been organized, interest in domain-specific modeling languages, metamodeling and supporting tools has seen a revival. Today DSM approaches gain popularity and they are used by large software development organizations. Furthermore, development environments for DSM have been deployed by key tool manufacturers, especially Microsoft and IBM.

The objective of this workshop series is to bring together practitioners and researchers on the field of DSM to discuss and share experiences, present new ideas on modeling and tools. The workshop follows the structure found effective during the past workshops: presentations of selected papers in the morning and early afternoon and group work and its reporting in the late afternoon. This year the papers are organized into three themes: cases of DSM language creation and use, DSM for special domains and foundations of DSM. Together all these contributions form a basis for fruitful discussions on creation, use and refinement of DSM and supporting tools. The electronic version of the proceedings, presentation slides and group work results is available at www.dsmforum.org/events.

We thank our program committee who donated their time and energy to review the papers. We hope you find the results of DSM'05 beneficial and enjoyable.

October 2005 Matti Rossi, Jonathan Sprinkle, Juha-Pekka Tolvanen

5th WORKSHOP ON DOMAIN-SPECIFIC MODELING

17th October, 2005, San Diego, California, USA

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