Call for Papers
The 12th Workshop on Domain-Specific Modeling
At SPLASH Conference, Tucson, Arizona, USA
22 October
http://www.dsmforum.org/events/DSM12

Domain-specific modeling (DSM) provides a modern solution to demands for higher productivity by constraining the gap between problem and solution modeling. In the past, productivity gains have been sought through new programming languages. Today, domain-specific modeling languages provide a viable solution for continuing to raise the level of abstraction beyond coding, making development faster and easier.

In DSM the models are constructed using concepts that represent things in the problem domain, not concepts of a given programming language. The modeling language follows the domain abstractions and semantics, allowing developers to perceive themselves as working directly with domain concepts. The models represent simultaneously the design, implementation and documentation of the system, which can be generated directly from them. In a number of cases the final products can be automatically generated from these high-level specifications with domain-specific code generators. This automation is possible because of domain-specificity: both the modeling language and code generators fit the requirements of a narrowly-defined domain, usually inside a single organization.

Workshop on Domain-Specific Modeling
The workshop welcomes submissions that address Domain-Specific Modeling on practical or theoretical levels. Our main focus is on graphical domain-specific languages but we will also consider submissions on textual or other DSLs.

Some of the issues that we would like to see addressed in this workshop are:
- Industry/academic experience reports describing success/failure in implementing and using DSM languages/tools
- Empirical studies or assessments that suggest best practices for DSM language design
- Approaches to identify constructs for DSM languages
- Novel features in language workbenches / tools to support DSM
- Approaches to implement metamodel-based modeling languages
- Metamodeling frameworks and languages
- Modularization technologies for DSM languages and models
- Novel approaches for code generation from domain-specific models
- Issues of support/maintenance for systems built with DSM
- Evolution of languages along with their domain
- Organizational and process issues in DSM adoption and use
- Demonstrations of working DSM solutions
- Identification of domains where DSM can be most productive in the future

Submission Information
The workshop welcomes four types of submissions:

1) Research papers describing ideas on either a practical or theoretical level. Full papers should emphasize what is new and significant about the chosen approach and compare it to other work in the field.
2) Experience reports on applying DSM. Papers should describe case studies and experience reports on the application, successes or shortcomings of DSM. The experiences can be related to language creation or use, tooling, or organizational issues, among others.
3) Position papers describing work in progress or an author’s position regarding current DSM practice.
4) DSM demonstrations describing a particular language, generator, or tool for a particular domain. During the workshop, the DSM solution presented in the paper can be demonstrated to the participants.

Papers should be submitted by August 10, 2012.

Please see the submission details and additional information, including links to the previous workshops at the workshop webpage at http://www.dsmforum.org/events/DSM12.