Preface

Domain-Specific Modeling (DSM) languages provide a viable and time-tested solution for continuing to raise the level of abstraction, and thus productivity, beyond coding, making systems development faster and easier. When accompanied with suitable automated modeling tools and generators it delivers to the promises of continuous delivery and devops.

In Domain-Specific Modeling (DSM) the models are constructed using concepts that represent things in the application 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. Together with frameworks and platforms, DSM can automate a large portion of software production. This automation is possible because of domain-specificity: both the modeling language and code generators fit to the requirements of a narrowly defined domain, often inside one organization only.

The 15th workshop on Domain-Specific Modeling will provide a forum for presenting research work, experience reports and language demonstrations. This year we received 17 papers, of which we accepted 12. Each paper was reviewed by three persons. We would like to thank program committee for their help and contribution during the review process. The accepted papers are organized in the program into four categories: experiences on language engineering, code generation, language evolution and use, and language engineering perspectives.

Following the workshop theme we also have interactive workgroup discussions. Participants choose the topics like identify new research questions or focus on more detail on topics presented earlier in the workshop.

The DSM workshop is one of longest running series of workshops at SPLASH/OOPSLA, this being the 15th anniversary of the series and we plan a little celebration the workshop.

October 2015
Pittsburgh, Pennsylvania
15th WORKSHOP ON DOMAIN-SPECIFIC MODELING

27 October 2015, Pittsburgh, Pennsylvania, United States

Program Committee

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