

Call for Papers

Important Dates

- Workshop Paper Submission Deadline: July 18, 2014
- Workshop Paper Notification to Authors: August 22, 2014
- Proceedings online: September 19, 2014
- Workshop: September 28, 2014

Organizers

- Regina Hebig, Université Pierre et Marie Curie, Paris, France
- Markus Völter, independent/ itemis, Germany
- Reda Bendraou, Université Pierre et Marie Curie, Paris, France
- Michel Chaudron, Chalmers Technical University and University of Gothenburg, Sweden

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1st International Workshop on Model-Driven Development Processes and Practices (MD²P² 2014)

Model-driven engineering emphasizes the use of models for a higher productivity, better quality and lower maintenance cost. However, MDE has to be integrated into a suitable, perhaps previously existing development process; otherwise MDE cannot deliver its goals, and is unlikely to be adopted in the first place. This workshop aims at investigating how an MDE approach that includes the synthesis of executable systems from models or the use of abstract languages, such as UML, Simulink, or DSLs can be integrated in a development process.

The first objective of the workshop is to provide a forum for researchers and practitioners to exchange and discuss experiences on how the use of MDE affects the applied development process. Papers presenting case studies on both, (1) long running use of MDE in context of maturing or steady development processes and (2) on the introduction of MDE, are highly welcome. Aspects to be addressed in the case studies are for example:

- Which stakeholders are involved in modeling tasks? Which stakeholders are not affected by the integration of MDE?
- Which modeling artifacts are subject to quality assurance activities, e.g. reviews?
- Are development process phases adapted? Does the number or frequency of iterations change?
- Are there empirical evidences that intended MDE effects occur, e.g. whether front-loading reduces the number of errors in later phases?

The second objective of the workshop is to provide a forum for research on the impact of MDE approaches on development processes. This can cover systematic investigations of the mechanisms that can drive impacts from MDE approaches on development processes and correspondingly constraints on MDE approaches that are implicitly defined by development processes. Further, guidelines, methods, or tools that support practitioners in reusing or adapting development processes when MDE is introduced are welcome. Topics to be addressed can be (but are not limited to):

- Investigations of the question, what aspects of a process are affected by MDE:
 - How are different stakeholders integrated in the modeling activities?
 - Can modeling tasks be split over multiple roles and phases?
 - What is the effect of automated verification methods on testing methodologies and philosophies defined in development processes (e.g. in test-driven development processes)?
 - Is there a need to adapt test and quality assurance activities in development processes, such that the diverse modeling artifacts are covered appropriately?
 - When is it necessary or beneficial to adapt the number of development process phases or to change the frequency of iterations?
- Synergies: How can the combination with an MDE approach increase (or decrease) the benefits of a process? How can the choice or adaptation of a process increase (or decrease) the benefits of an MDE approach?
- Guidelines and methods that support practitioners in reusing or adapting development processes when MDE
- Co-maturation of MDE and development processes
- Tool support for process integration of MDE
- Feedback on combining/using MDE in traditional processes
- Experiences and approaches for migrating to MDE

Submitted papers (maximum 10 pages) must conform to the Springer LNCS formatting guidelines (<http://www.springer.com/computer/lncs>).

A MODELS 2014 satellite event

