Abstract
Feature orientation is an emerging paradigm of software development. It supports the largely automatic generation of large software systems from a set of units of functionality, so-called features. The key idea of feature-oriented software development (FOSD) is to emphasize the similarities of a family of software systems for a given application domain (e.g., database systems, banking software, text processing systems) with the goal of reusing software artifacts among the family members. Features distinguish different members of the family. A challenge in FOSD is that a feature does not map cleanly to an isolated module of code. Rather it may affect (“cut across”) many components/documents of a software system. Research on FOSD has shown that the concept of features pervades all phases of the software life cycle and requires a proper treatment in terms of analysis, design, and programming techniques, methods, languages, and tools, as well as formalisms and theory.

Goals
The main goal of the workshop is to foster and strengthen the collaboration between the researchers who work in the field of FOSD or in the related fields of software product lines, aspect-oriented software development, service-oriented architecture, and model-driven engineering. In particular, we expect the following results from the workshop:
- A list of the participants’ interests and contact details will be posted on the workshop website.
- The papers and a summary of the discussions will be published in the ACM Digital Library.
- A research agenda will be established that guides further activities such as joint projects and publications.

Submission
We invite submissions of 4 to 8 pages long in ACM proceedings format. The papers will be reviewed by at least three members of the program committee and the organization committee. The authors will be notified about acceptance before the early registration deadline. Accepted papers will be posted on the website and published in the ACM Digital Library. If we receive a significant amount of submissions of high quality, we will organize a special issue in the journal Science of Computer Programming (Prof. Jan Bergstra, the editor-in-chief, has been informed already). In particular, we are looking for contributions in the following topics:
- Programming language and tool support for FOSD
- Domain engineering and/or application engineering
- Software product lines and program families
- Feature and variation modeling

First Workshop on Feature-Oriented Software Development (FOSD)
in conjunction with MODELS’09, GPCE’09, and SLE’09
Denver, Colorado, October 6th, 2009
— with a Keynote by Don Batory —
http://www.fosd.de/2009

Important Dates
Paper submission: August 1st, 2009
Notification: September 1st, 2009
Workshop: October 6th, 2009

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