SUITE

First Intl. Workshop on **S**earch-Driven Development –
Users, **I**nfrastructure, **T**ools and **E**valuation

http://smallwiki.unibe.ch/suite2009/

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at **31st Intl. Conference on Software Engineering**

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Motivation and Goals

As software development is a process of both information creation and information gathering, software developers are constantly searching for the right information and person to solve their problems at hand. This workshop will focus specifically on exploring the notion of search as a fundamental activity during software development.

The goal of the workshop is to bring researchers and practitioners with special interest on search technology for software developers together. Participants will have broad range of expertise in topics ranging from building software tools and infrastructure, information retrieval, user studies and HCI, benchmarking and evaluation.

Topics

Topics of interest include, but are not limited to:
- Applications and tools for searching software artifacts.
- Approaches to search for developer expertise.
- Crawling, analysis and parsing of internet-scale code repositories.
- Empirical studies of search and navigation in IDEs.
- Experience reports on setting up and running large software search engines.
- Information retrieval techniques to search software.
- Integration of search engines with IDEs.
- Just in time comprehension tools for developers.
- Leveraging Web 2.0 and social computing techniques for developers' information needs.
- Machine learning approaches to search software.
- Methods of integrating indexed data from various sources and histories.
- Natural language processing to support software development.
- Novel argumentation models for searching in software message boards and email archives.
- Programming by example.
- Query languages for software search.
- Ranking strategies and heuristics for code search.
- Search techniques to assist developers in finding components and code fragments for reuse.
- Recommendation systems for software development.
- Slicing and generative techniques for code extraction and synthesis.
- Standards and benchmarks for the evaluation of search tools.
- The use of visualizations to support software search.
- Experts finding for software development.
- Understanding information needs of software developers.

Submissions and Proceedings

The workshop invites the submission of position papers of at most **4 pages** in the **IEEE Proceedings format**. Proceedings of the workshop will be included in the IEEE digital library.

The program committee will review the submissions for their relevance and technical merits. We especially encourage the submission of provoking or unconventional ideas that can lead to lively and productive discussions, and inspire new research ideas and directions.

Submissions should be uploaded online to the workshop's EasyChair webpage. Please refer to the workshop's webpage (**http://smallwiki.unibe.ch/suite2009/#submit**) for details on submission.