

Welcome to the Fourth International Workshop on Search-Driven Development: Users, Infrastructures, Tools, and Evaluation (SUITE 2012)

The fourth international workshop on Search-driven Development – Users, Infrastructure, Tools, and Evaluation (SUITE 2010) focuses on exploring the notion of search as a fundamental activity during software development, and all aspects that are related with integrating search into software development workflows. Two primary observations encouraged us to start this workshop series. First, results from existing research show that developers spend majority of their time in searching for code. Furthermore, developers have to struggle with a myriad of additional information needs such as those that are related with design or requirements documents or even with the communication between the various stakeholders in a development project. Second, recently there has been considerable effort from both academia and industry in building specialized search tools for software developers, in particular large-scale code search engines.

The three previous editions of SUITE have made significant contributions to this research area with many good papers published in the workshop, further extended as major conference papers, and also as a textbook chapter. In this edition, we focus beyond source code with the following general theme: *Code search and beyond: developing pragmatic search solutions for more effective software development*. The program that has been put together by the program committee and ourselves includes three main topics: similarity search and duplicate removal, program analysis, and automatic programming. With these wide varieties of topics, we hope that SUITE 2012 will be a venue to discuss the problems and state-of-the-art; share ideas and results. Along with these topics, our program also includes a keynote talk from an industrial researcher and many vibrant group discussions to set the future directions in the area of Search-driven development. We look forward to seeing you all to make SUITE 2012 again a great success.

Workshop Chairs

Suresh Thummalapenta, IBM Research – India
Oliver Hummel, University of Mannheim, Germany
Marcel Bruch, Darmstadt University of Technology, Germany

Program Committee

Eduardo Santana de Almeida, Universidade Federal da Bahia, BR
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