

Software Composition

5th International Symposium, SC 2006, Vienna, Austria, March 25-26, 2006, Revised Papers

Research in software composition investigates models and techniques to build systems from predefined, pretested, reusable components instead of building them from scratch. In recent years, this idea has largely been adopted by industry. In the shape of service-oriented architecture, software composition has become an influential design paradigm, especially for the (re-)organization of the IT infrastructure of organizations. On the technical level, the standardization of Web services and other composition technologies has further matured. Current research in software composition aims at (further) developing composition models and techniques. The aspect-oriented programming and design paradigm, for instance, has gained interest in the research community as a composition (support) model. Other current research questions concern the specification of component contracts, in particular making explicit its observable behavior, and methods of correct components composition. The International Symposium on Software Composition provides a premier forum for discussing these kinds of research questions and presenting original research results. This LNCS volume contains the proceedings of the 5th International Symposium on Software Composition, which was held as a satellite event of the European Joint Conferences on Theory and Practice of Software (ETAPS) in Vienna, Austria, March, 25-26 2006. The symposium started with a keynote on "Semantically Enabled Service-Oriented Architectures" given by Dieter Fensel, Director of the Digital Research Institute. The main program consisted of presentations of research papers on software compositions. These proceedings contain the revised versions of the papers presented at SC 2006.

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