

Report on selected papers from LDTA 2003

This volume contains the papers presented at the Third Workshop on Language Descriptions, Tools and Applications (LDTA'03), held in Warsaw, Poland, April 6, 2003, as a satellite event of the European Joint Conferences on Theory and Practice of Software (ETAPS'03). LDTA'03 continues the tradition established with the previous two instances of the workshop which were held in Genoa, Italy (2001), and Grenoble, France (2002), as satellite events of ETAPS.

The aim of this workshop is to bring together researchers from academia and industry interested in the field of formal language definitions and language technologies, with a special emphasis on tools developed for or with these language definitions. Benefits of such active research fields are, among others: program analysis, transformation, generation; the formal analysis of language properties, and the automatic generation of language processing tools. The workshop welcomes contributions on all aspects of formal language definitions, with special emphasis on applications and tools developed for or with these language definitions.

The LDTA'03 program consisted of 11 regular papers, which were selected from 25 submissions, and one invited talk by Hassan Aït Kaci on "An Abstract and Reusable Programming Language Architecture". The selected papers covered a broad range of themes such as visual languages, parsing, refactoring and coverage techniques, attribute grammars, and frameworks for data type transformation and register allocation. From these, the Program Committee selected three papers to be recommended for the Science of Computer Programming. These papers were revised by the authors and then rigorously reviewed by a set of reviewers which included both Program Committee members who had reviewed the papers before and also new reviewers.

We also wish to express our gratitude to all the members of the program committee, and to all the outside referees for their care in reviewing the papers. We would like to thank the ETAPS organizing committee for taking care of the local organization of the workshop. Furthermore, we are also very pleased with the cooperation of ACM SIGPLAN and with the publication of the LDTA proceedings in Electronic Notes in Theoretical Computer Science (ENTCS) by Elsevier.

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