

Foreword to Special issue

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Preface

Volume 44, Issue 2

Mark van den Brand and Didier Parigot

Abstract

Foreword

This volume contains the *Proceedings* of the First Workshop on Language Descriptions, Tools and Applications (LDTA'01). The Workshop was held in Genova, Italy on April 7, 2001, as satellite event to ETAPS'2001.

This is the first edition of the Workshop on Language Descriptions, Tools and Applications. It is a combination of the "Workshop on Attribute Grammars and their Applications" and the former ASF+SDF workshops. Both workshop series had as theme the description of (programming) languages and the development and/or generation of tools for these languages based on formal descriptions. With this new workshop we hope to achieve a cross-fertilization of research in this area by bringing together researchers from various schools (attribute grammars, algebraic approaches, action semantics, operational semantics, and denotational semantics) working on language descriptions. The workshop also aims at bringing together people from the theoretical side as well as people who develop tools and work on applications.

The LDTA'2001 program consists of 9 papers, which were selected from 18 submissions, one invited talk by Paul Klint on "Collaborative Development of Interactive Language Processing Tools", and 4 tool demonstrations. The selected papers cover a broad range of themes like: object oriented tree traversal and attribute grammars, action semantics, rewriting engines, document transformation, and the use of XML and JAVA in combination with attribute grammars. The tool demonstrations include presentations of the ASF+SDF Meta-Environment, SmartTools, Stratego, and an action semantics environment.

The papers in this volume were reviewed by the program committee consisting of

Isabelle Attali
(*INRIA Sophia Antipolis*)
Mark van den Brand
(*CWI Amsterdam*)
Görel Hedin
(*Lund University*)
Jan Heering
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(*University of Rostock*)

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We would like to thank the program committee members for their help in evaluating the papers and making a scientifically interesting selection. Furthermore, we would like to thank the **ETAPS** organizing committee for taking care of the local organization of our workshop. We thank Elsevier for publishing these proceedings in the *Electronic Notes in Theoretical Computer Science* (ENTCS). Finally, we thank Professor Michael Mislove for providing and adapting the style files for ENTCS.

Mark van den Brand and Didier Parigot

June, 2001
