



Sixth Workshop on Language Descriptions, Tools and Applications LDTA 2006



A satellite event of ETAPS 2006 — In Cooperation with ACM SIGPLAN



Saturday, April 1, 2006 in Vienna, Austria

<http://ldta06.cs.umn.edu>



Program Committee

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Organizing Committee

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- Joost Visser, University of Minho, Braga, Portugal, Joost.Visser@di.uminho.pt

Scope: The aim of this one-day 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. This active area of research involves the following basic technologies:

- Program analysis, transformation, and generation
- Formal analysis of language properties
- Automatic generation of language processing tools

For example, language definitions can be augmented in a manner so that not only compilers or interpreters can be automatically generated but also other tools such as syntax-directed editors, debuggers, partial evaluators, test generators, documentation generators, etc. Although various specification formalisms like attribute grammars, action semantics, operational semantics, and algebraic approaches have been developed, they are not widely exploited in current practice.

It is the aim of the LDTA workshops to bridge this gap between theory and practice. Among others, the following application domains can benefit from advanced language technologies:

- Software component models and modeling languages
- Re-engineering and re-factoring
- Aspect-oriented programming
- Domain-specific languages
- XML processing
- Visualization and graph transformation
- Programming environments such as Eclipse, .net, Rotor

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.

Invited Speaker: Jeán Beziwin, Université de Nantes

Submission Procedure and Publication: Two classes of papers are solicited: full-length (15 pages) research papers and short tool-demo papers (4 pages). Tool-demo papers should contain a brief description of the tool and include a section that clearly explains what will be demonstrated. Additional submission details, along with LaTeX style files, are available on the LDTA 2006 web page: ldta06.cs.umn.edu.

The final versions of accepted papers will be published in Electronic Notes in Theoretical Computer Science (ENTCS), Elsevier Science, and will be made available during the workshop. The authors of the best full-length papers will be invited to write a journal version of their paper which will be separately reviewed and, assuming acceptance, be published in journal form. As in past years, this will be done in a special issue devoted to LDTA 2006 of the journal Science of Computer Programming (Elsevier Science).

Important Dates:

- Submission deadline: December 1, 2005
- Notification: January 16, 2006
- Final version due: February 15, 2006