Call for papers
12th Workshop on Language Descriptions, Tools, and Applications (LDTA 2012)

`http://ldta.info`

During ETAPS (March 31 & April 1, 2012), in Tallinn, Estonia

Scope LDTA is an application and tool-oriented workshop focused on grammarware - software based on grammars in some form. Grammarware applications are typically language processing applications and traditional examples include parsers, program analyzers, optimizers and translators. A primary focus of LDTA is grammarware that is generated from high-level grammar-centric specifications and thus submissions on parser generation, attribute grammar systems, term/graph rewriting systems, and other grammar-related meta-programming tools, techniques, and formalisms are encouraged.

LDTA is also a forum in which theory is put to the test, in many cases on real-world software engineering challenges. Thus, LDTA also solicits papers on the application of grammarware to areas including, but not limited to, the following:

- Program analysis, transformation, generation, and verification
- Implementation of Domain-Specific Languages
- Reverse engineering and re-engineering
- Refactoring and other source-to-source transformations
- Language definition and language prototyping
- Debugging, profiling, IDE support, and testing

Note that LDTA is a well-established workshop similar to other conferences on (programming) language engineering topics such as SLE and GPCE, but is solely focused on grammarware.

Paper Submission LDTA solicits papers in the following categories:

- research papers - original research results within the scope of LDTA with a clear motivation, description, analysis, and evaluation.
- short research papers - new innovative ideas that have not been completely fleshed out. As a workshop, LDTA strongly encourages these types of submissions. experience report papers - description of the use of a grammarware
- tool or technique to solve a non-trivial applied problem with an emphasis on the advantages and disadvantages of the chosen approach to the problem.
- tool demo papers - discussion of a tool or technique that explains the contributions of the tool and what specifically will be demonstrated. These papers should describe tools and applications that do

not fit neatly into the specific problems in the Tool Challenge.

Each submission must clearly state in which of these categories it falls and not be published or submitted elsewhere. Papers are to use the standard LaTeX article style and the authblk style for affiliations; a sample of which is provided at www.ldta.info. Research and experience papers are limited to 15 pages, tool demonstration papers are limited to 10 pages, and short papers are limited to 6 pages. The final version of the accepted papers will, pending approval, be published in the ACM Digital Library and will also be made available during the workshop.

Please submit your abstract and paper using Easy-Chair at `http://www.easychair.org/conferences/?conf=ldta2012`.

The authors of each submission are required to give a presentation at LDTA 2012 and tool demonstration paper presentations are intended to include a significant live, interactive demonstration.

As for past versions of the workshop, we expect to extend selected papers to produce journal versions. The authors of the best papers would be invited to write a journal version of their paper which will be separately reviewed and, assuming acceptance, be published in journal form. The publication will most likely be in a special issue of the journal Science of Computer Programming (Elsevier Science).

Invited Speaker To be announced.

Important Dates

Abstract submission	Nov. 28, 2011
Full paper submission	Dec. 5, 2011
Author notification	Jan. 20, 2012
Camera-ready papers	Feb. 05, 2012
LDTA Workshop	Mar. 31 - Apr. 1, 2012

LDTA Tools Challenge The 2011 Workshop pioneered the LDTA Tool Challenge where tool developers were invited to develop solutions to a range of language processing tasks over a simple but evolving set of imperative programming languages. We expect a challenge to form part of LDTA every two years. The 2012 workshop will feature presentations devoted to a de-brief of the 2011 challenge, based on the paper currently being prepared by challenge participants.

Program Committee

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