

LDTA 2010

Tenth Workshop on Language Descriptions, Tools and Applications [Paphos, Cyprus (March 27-28, 2010)]

Saturday (March 27, 2010):

Time	Papers/Presentations	Authors/Speakers
09:00-09:15	Welcome to LDTA 2010	- Pierre-Etienne Moreau & Claus Brabrand
09:15-10:30	SESSION 1: [Invited Talk] - < TBA >	- Jean-Louis Giavitto
10:30-11:00		- Tea/Coffee -
11:00-12:30	SESSION 2: [Program Analysis] - <i>On the Rôle of Min. Typing Derivations in Type-driven Program Transformation</i> - <i>GamaSlicer: an Online Laboratory for Program Verification and Analysis</i> - <i>Dependence Condition Graph for Semantics-Based Abstract Program Slicing</i>	- Stefan Holdermans & Jurriaan Hage - Daniela da Cruz, Pedro Rangel Henriques, & Jorge Sousa Pinto - Agostino Cortesi & Raju Halder
12:30-14:00		- LUNCH -
14:00-15:00	SESSION 3: [Anniversary Talk] - <i>Ten Years of LDTA</i>	- Görel Hedin
15:00-16:00	SESSION 4: [Grammars] - <i>Faster Ambiguity Detection by Grammar Filtering</i> - <i>Tear-Insert-Fold Grammars</i>	- Bas Basten & Jurgen Vinju - Adrian Johnstone & Elizabeth Scott
16:00-16:30		- Tea/Coffee -
16:30-18:00	SESSION 5: [Panel Discussion] - <i>Panel Discussion</i>	- < TBA >

Sunday (March 28, 2010):

Time	Papers/Presentations	Authors/Speakers
09:00-10:30	SESSION 6: [Mixed LDTA Topics] - <i>Embedding a Web-Based Workflow Management System in a Functional Language</i> - <i>Specifying Generic Java Programs: two Case Studies</i> - <i>Language Description for Frontend Implementation</i>	- Jan Martin Jansen, Rinus Plasmeijer, Pieter Koopman, & Peter Achten - Alain Giorgetti, Claude Marché, Elena Tushkanova, & Olga Kouchnarenko - Anya Helene Bagge
10:30-11:00		- Tea/Coffee -
11:00-12:30	SESSION 7: [Domain Specific Languages] - <i>DSL Tools: Less Maintenance?</i> - <i>Using DSLs for Developing Enterprise Systems</i> - <i>Formally Specified Type Checkers for Domain Specific Languages</i>	- Paul Klint, Tijs van der Storm, & Jurgen Vinju - Margus Freudenthal - Arjan v.d. Meer, Alexander Serebrenik, Mark v.d. Brand, & Albert Hofkamp
12:30-14:00		- LUNCH -

Paper Groupings:

Grammar:

Faster ambiguity detection by grammar filtering
Tear-Insert-Fold grammars

DSL:

DSL Tools: Less Maintenance?
Using DSLs for Developing Enterprise Systems
Formally Specified Type Checkers for Domain Specific Languages

DSL, maintainability, language description
DSL, language tools, enterprise software development
DSL, static semantics, type checker, code generation

Analysis:

On the Rôle of Minimal Typing Derivations in Type-driven Program Transformation
GamaSlicer: an online laboratory for program verification and analysis
Dependence Condition Graph for Semantics-based Abstract Program Slicing

program analysis, transformation, type inference
program analysis, verification, slicing, pre/post cond
program slicing, abstract interpretation, dependence graphs,

Mixed LDTA topics:

Embedding a Web-Based Workflow Management System in a Functional Language
Specifying Generic Java Programs: two Case Studies
Language Description for Frontend Implementation

workflow management sys, functional, generic programming
generics, modularity, KML, sorting algorithm, hash map
DSL, static semantics, language description, compiler frontend