First International Workshop on
Rewriting Techniques for
Program Transformations and Evaluation (WPTE'14)
affiliated with RTA/TLCA 2014
(a FLoC 2014 workshop, FLoC is part of the Vienna Summer of Logic 2014)
13th July 2014, Vienna, Austria

CALL FOR PAPERS

Invited Speaker

Andy Gill
(University of Kansas)

Program Committee

Takahito Aoto
(RIEC, Tohoku University)

Yuki Chiba
(Japan Advanced Institute of Science and Technology)

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(Nagoya University)

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(Goethe-University Frankfurt am Main)

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(Tohoku University)

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Manfred Schmidt-Schauß (chair)
(Goethe-University Frankfurt am Main)
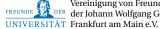
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Yuki Chiba
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Sponsors

Vereinigung von Freunden und Förderern der Johann Wolfgang Goethe Universität Frankfurt am Main e.V.

Scope

The aim of WPTE is to bring together the researchers working on program transformations, evaluation, and operationally based programming language semantics, using rewriting methods, in order to share the techniques and recent developments and to exchange ideas to encourage further activation of research in this area.

Topics of interest and in the scope of WPTE are:

- Correctness of program transformations, optimizations and translations.
- Program transformations for proving termination, confluence and other properties.
- Correctness of evaluation strategies.
- Operational semantics of programs, operationally-based program equivalences such as contextual equivalences and bisimulations.
- Cost-models for arguing about the optimizing power of transformations and the costs of evaluation.
- Program transformations for verification and theorem proving purposes.
- Translation, simulation, equivalence of programs with different formalisms, and evaluation strategies.
- Program transformations for applying rewriting techniques to programs in specific programming languages.
- Program inversions and program synthesis.

The programming languages of interest include pure, deterministic, impure, non-deterministic, concurrent, parallel languages, and may employ programming paradigms such as functional, logical, typed, imperative, object-oriented, and higher-order.

Paper Submissions & Proceedings

WPTE accepts two different kinds of contributions:

- Full-papers: Full-papers must represent original work and should be submitted using the EasyChair interface. We plan to publish full-papers as formal proceedings in the *OpenAccess Series in Informatics (OASIcs)* of *Schloss Dagstuhl Leibniz-Zentrum fuer Informatik*. Full-papers should not exceed 12 pages using the OASIcs LaTeX-templates.

- Work in progress: There will also be a slot for presenting work in progress. An extended abstract of at most 4 pages is required to be submitted using the EasyChair interface. These contributions will not be included in the OASIcs proceedings but they will be distributed to the workshop partipicants.

One author of each accepted paper or abstract is expected to present it at the workshop.

Weblinks

- EasyChair Submission Website
  `https://www.easychair.org/conferences/?conf=wpte14`
- Homepage of WPTE'14
  `http://www.ki.informatik.uni-frankfurt.de/WPTE14`
- OASIcs Website
  `http://www.dagstuhl.de/en/publications/oasics`
- Vienna Summer of Logic 2014
  `http://vsl2014.at`

Important Dates

- Submission deadline: **April 2014**
- Notification of acceptance: **23 May 2014**
- Deadline for camera-ready proceedings: **5 June 2014**
- Workshop: **13 July 2014, Austria, Vienna**