



DAGSTUHL REPORTS

Volume 8, Issue 2, February 2018

Evidence About Programmers for Programming Language Design (Dagstuhl Seminar 18061) <i>Andreas Stefik, Bonita Sharif, Brad. A. Myers, and Stefan Hanenberg</i>	1
Planning and Operations Research (Dagstuhl Seminar 18071) <i>J. Christopher Beck, Daniele Magazzeni, Gabriele Röger, and Willem-Jan Van Hoeve</i>	26
Designing and Implementing Algorithms for Mixed-Integer Nonlinear Optimization (Dagstuhl Seminar 18081) <i>Pierre Bonami, Ambros M. Gleixner, Jeff Linderoth, and Ruth Misener</i>	64
Formal Methods for the Synthesis of Biomolecular Circuits (Dagstuhl Seminar 18082) <i>Yaakov Benenson, Neil Dalchau, Heinz Koeppl, and Oded Maler</i>	88
Data Consistency in Distributed Systems: Algorithms, Programs, and Databases (Dagstuhl Seminar 18091) <i>Annette Bieniusa, Alexey Gotsman, Bettina Kemme, and Marc Shapiro</i>	101
The Logical Execution Time Paradigm: New Perspectives for Multicore Systems (Dagstuhl Seminar 18092) <i>Rolf Ernst, Stefan Kuntz, Sophie Quinton, and Martin Simons</i>	122

ISSN 2192-5283

Published online and open access by

Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Saarbrücken/Wadern, Germany. Online available at <http://www.dagstuhl.de/dagpub/2192-5283>

Publication date

August, 2018

Bibliographic information published by the Deutsche Nationalbibliothek

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.d-nb.de>.

License

This work is licensed under a Creative Commons Attribution 3.0 DE license (CC BY 3.0 DE).



In brief, this license authorizes each and everybody to share (to copy, distribute and transmit) the work under the following conditions, without impairing or restricting the authors' moral rights:

- Attribution: The work must be attributed to its authors.

The copyright is retained by the corresponding authors.

Aims and Scope

The periodical *Dagstuhl Reports* documents the program and the results of Dagstuhl Seminars and Dagstuhl Perspectives Workshops.

In principal, for each Dagstuhl Seminar or Dagstuhl Perspectives Workshop a report is published that contains the following:

- an executive summary of the seminar program and the fundamental results,
- an overview of the talks given during the seminar (summarized as talk abstracts), and
- summaries from working groups (if applicable).

This basic framework can be extended by suitable contributions that are related to the program of the seminar, e. g. summaries from panel discussions or open problem sessions.

Editorial Board

- Gilles Barthe
- Bernd Becker
- Daniel Cremers
- Stephan Diehl
- Reiner Hähnle
- Lynda Hardman
- Hannes Hartenstein
- Oliver Kohlbacher
- Bernhard Mitschang
- Bernhard Nebel
- Bernt Schiele
- Albrecht Schmidt
- Raimund Seidel (*Editor-in-Chief*)
- Emmanuel Thomé
- Heike Wehrheim
- Verena Wolf

Editorial Office

Michael Wagner (*Managing Editor*)
Jutka Gasiorowski (*Editorial Assistance*)
Dagmar Glaser (*Editorial Assistance*)
Thomas Schillo (*Technical Assistance*)

Contact

Schloss Dagstuhl – Leibniz-Zentrum für Informatik
Dagstuhl Reports, Editorial Office
Oktavie-Allee, 66687 Wadern, Germany
reports@dagstuhl.de

<http://www.dagstuhl.de/dagrep>

Digital Object Identifier: 10.4230/DagRep.8.2.i