



DAGSTUHL
REPORTS

Volume 10, Issue 1, January 2020

Spoken Language Interaction with Virtual Agents and Robots (SLIVAR): Towards Effective and Ethical Interaction (Dagstuhl Seminar 20021) <i>Laurence Devillers, Tatsuya Kawahara, Roger K. Moore, and Matthias Scheutz ...</i>	1
Scalability in Multiobjective Optimization (Dagstuhl Seminar 20031) <i>Carlos M. Fonseca, Kathrin Klamroth, Günter Rudolph, and Margaret M. Wiecek</i>	52
Symmetric Cryptography (Dagstuhl Seminar 20041) <i>Nils Gregor Leander, Bart Mennink, Kaisa Nyberg, and Kan Yasuda</i>	130
Computational Metabolomics: From Cheminformatics to Machine Learning (Dagstuhl Seminar 20051) <i>Sebastian Böcker, Corey Broeckling, Emma Schymanski, and Nicola Zamboni</i>	144

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

June, 2020

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

- Elisabeth André
- Franz Baader
- Gilles Barthe
- Daniel Cremers
- Reiner Hähnle
- Barbara Hammer
- Lynda Hardman
- Oliver Kohlbacher
- Bernhard Mitschang
- Albrecht Schmidt
- Wolfgang Schröder-Preikschat
- Raimund Seidel (*Editor-in-Chief*)
- Emanuel Thomé
- Heike Wehrheim
- Verena Wolf
- Martina Zitterbart

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.10.1.i