



DAGSTUHL REPORTS

Volume 7, Issue 10, October 2017

Quantum Cryptanalysis (Dagstuhl Seminar 17401) <i>Michele Mosca, Nicolas Sendrier, Rainer Steinwandt, and Krysta Svore</i>	1
HMM Imaging: Acquisition, Algorithms, and Applications (Dagstuhl Seminar 17411) <i>Gonzalo R. Arce, Richard Bamler, Jon Yngve Hardeberg, Andreas Kolb, and Shida Beigpour</i>	14
Internet of People (Dagstuhl Seminar 17412) <i>Elizabeth M. Belding, Jörg Ott, Andrea Passarella, and Peter Reichl</i>	42
Computational Proteomics (Dagstuhl Seminar 17421) <i>Bernhard Küster, Kathryn Lilley, and Lennart Martens</i>	69
Performance Portability in Extreme Scale Computing (Dagstuhl Seminar 17431) <i>Anshu Dubey, Paul H. J. Kelly, Bernd Mohr, and Jeffrey S. Vetter</i>	84
Big Stream Processing Systems (Dagstuhl Seminar 17441) <i>Tilmann Rabl, Sherif Sakr, and Martin Hirzel</i>	111
Towards Performance Modeling and Performance Prediction across IR/RecSys/NLP (Dagstuhl Perspectives Workshop 17442) <i>Nicola Ferro, Norbert Fuhr, Gregory Grefenstette, and Joseph A. Konstan</i>	139

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

March, 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
- Stephan Diehl
- Hans Hagen
- Reiner Hähnle
- Hannes Hartenstein
- Oliver Kohlbacher
- Stephan Merz
- Bernhard Mitschang
- Bernhard Nebel
- Bernt Schiele
- Albrecht Schmidt
- Raimund Seidel (*Editor-in-Chief*)
- Arjen P. de Vries
- Klaus Wehrle
- 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.7.10.i