

SHORT CV — DANIEL MERKLE

PERSONAL DATA

Born March 30, 1971 in Offenburg, Germany, German citizen

EDUCATION

- Ph.D. in Applied Computer Science (summa cum laude), Institute of Applied Informatics and Formal Description Methods, Universität Karlsruhe (TH), Germany, 07/2002
- Diploma degree in Computer Science (Gesamtnote 1.2), Institution: Universität Karlsruhe (TH), Germany, 03/1997

RECENT POSITIONS

- Professor, Dept. of Math. and C.S., University of Southern Denmark (SDU), since 08/2017
- Associate Professor, Dept. of Math. and C.S., University of Southern Denmark (SDU), since 04/2008
- Assistant Professor, Dept. of Math and C.S., University of Leipzig, Germany, 10/2002-04/2008
- Junior Research Fellow, University Karlsruhe, AIFB, Research Group "Efficient Algorithms", 04/1997-09/2002

SELECTED PROFESSIONAL ACTIVITIES

- Management committee member of the [EU COST action CM1304](#) "Emergence and Evolution of Complex Chemical Systems" (2013–2017), within CM1304: Invited teacher at the "Systems Chemistry School" 2015 (Jena) and 2017 (Vienna)
- Substitute management committee member of the [EU COST action TD1308](#) "Origins and evolution of life on Earth and in the Universe" (2013–2017)
- (Co-)Organizer of the [Dagstuhl Seminar on Algorithmic Cheminformatics](#) (2014,2017)
- (Co-)Organizer: Artificial Life XII (ALife XII). August 19th - August 23rd 2010, Odense, Denmark.
- Program Committee member of more than 50 international conferences, reviewer for more than 40 international journals

MAIN RESEARCH AREAS

- Algorithmic Cheminformatics
- Systems Chemistry, Systems Biology
- Computation Complexity of Problems in Cheminformatics
- Mathematical Chemistry
- Algorithmic Engineering, Graph Canonicalisation

RECENT RESEARCH GRANTS

- Grant from FNU, 2017-2020: Co-investigator of the project "Online Algorithms and Cheminformatics Meet Concurrency" (1.4 mio DKK)
- Grant from FNU, 2014-2017: Co-investigator of the project "Algorithmic Challenges" (1.0 mio DKK)
- Grant from FNU, 2011-2013: Co-investigator of the project "On-Line Algorithms, Bioinformatics, and SAT-Solving" (1.3 mio DKK)
- Mobility stipends (5 Ph.D. positions) from The Danish Research Coordination Committee, 2010-2013: Co-investigator of the project "Efficient Algorithms and High Quality Solutions" (12.0 mio DKK)

STUDENTS ADVISED (ONLY DENMARK)

- Currently supervising 2 Ph.D. students in Cheminformatics, 1 completed (2015) within a cotutelle agreement with the University of Leipzig, Germany.
- Currently supervising 3 MSc students in Cheminformatics, completed 15, (includes 2012 prize for the best Computer Science MSc thesis 2012 from "Dansk Selskab for Datalogi")
- Teaching MSc course "Algorithms in Cheminformatics - DM840" since 2012