Curriculum Vitae Roger Wattenhofer

1. Major Achievements

Roger Wattenhofer's research interests are a variety of algorithmic and systems aspects in computer science and information technology, e.g., distributed systems, positioning systems, wireless networks, mobile systems, social networks, deep neural networks. He publishes in different communities: distributed computing (e.g., PODC, SPAA, DISC), networking and systems (e.g., SIGCOMM, MobiCom, SenSys, OSDI), and algorithmic theory (e.g., STOC, FOCS, SODA, ICALP). His work received multiple awards, e.g., the Prize for Innovation in Distributed Computing for his work in Distributed Approximation. He published the book "Blockchain Science: Distributed Ledger Technology", which has been translated to Chinese, Korean and Vietnamese. Many of his research findings have been discussed in the media.

https://disco.ethz.ch/members/wroger/bio.php (full CV with additional information)
https://scholar.google.ch/citations?user=EG3VPm4AAAAJ (more than 30k citations, h-index 88)
http://dblp.uni-trier.de/pers/hd/w/Wattenhofer:Roger (more than 500 publications)

2. Education

Studies and Doctorate at ETH Zurich, Computer Science Department, Advisor Peter Widmayer

3. Employment

Time	Position	Affiliation
8/2008 – present	Full Professor	Distributed Computing Group, Computer Engineering and Networks Laboratory, Department of Information Technology and Electrical Engineering, ETH Zurich, Switzerland
7/2012 – 8/2013	Sabbatical	Systems and Networking Group, Microsoft Research, Redmond, WA
7/2004 – 7/2008	Associate Professor	Distributed Computing Group, Computer Engineering and Networks Laboratory, Department of Information Technology and Electrical Engineering, ETH Zurich, Switzerland
10/2006 – 3/2007	Sabbatical	Macquarie University, Sydney, Australia
10/2001 – 6/2004	Assistant Professor	Distributed Computing Group, Institute for Pervasive Computing, Department of Computer Science, ETH Zurich, Switzerland
4/2000 – 10/2001	Post-Doc Researcher	Systems and Networking Group, Microsoft Research, Redmond, WA
4/1999 – 4/2000	Post-Doc Researcher	Computer Science Department, Brown University, Providence, RI

4. Institutional Responsibilities

Taking turns on being head of the Computer Engineering and Networks Laboratory; representative for Information & Communication domain at Information Technology and Electrical Engineering Department; member of the ICT commission of ETH Zurich; etc.

5. Approved Research Projects

19 grants from public organizations (mostly SNSF, but also NCCR, SERI/CTI, ETH, EU) and Private Organizations (Microsoft Research, Huawei, Hasler Stiftung). See full CV for a comprehensive list.

6. Supervision of Junior Researchers at Graduate and Postgraduate Level

Currently 20 PhD students. So far 38 PhD graduates. Recent (last 5 years) graduates are: Oliver Richter, Simon Tanner, Andras Pal Papp, Zeta Avarikioti, Gino Brunner, Darya Melnyk, Pankaj Khanchandani, Manuel Eichelberger, Sebastian Brandt, Michael Koenig, Pascal Bissig. Only former member on the postdoc level: Yuval Emek, ETH Fellow, now Professor at the Technion. Five PhD graduates have won the ETH medal for their doctoral thesis. Some former PhD students are now professors: Fabian Kuhn (University of Freiburg), Thomas Moscibroda (Tsinghua University), Stefan Schmid (TU Berlin), Christoph Lenzen (University Saarbrucken & Helmholtz), Jara Uitto (Aalto University), Sebastian Brandt (University Saarbrucken & Helmholtz), Klaus-Tycho Foerster (University Dortmund), Olga Goussevskaia (University of Minas Gerais), Johannes Schneider (University Liechenstein). Some others are currently postdocs, and will eventually become professors as well. About half of the PhD graduates join a university or research lab after their PhD. Some PhD graduates founded startup companies: e.g., Wuala, GetYourGuide, StreamForge, BitSplitters. And some PhD graduates joined existing companies, e.g., 5 former students currently work at Google.

7. Teaching Activities

Currently teaching the following courses: Computational Thinking (Undergraduate 3rd year course, mandatory), Computer Systems (3rd year core course, taught with colleague), Discrete Event Systems (3rd year core course, taught with colleagues), Principles of Distributed Computing (Master level course, taught with colleague), Seminar in Deep Reinforcement Learning, Lab CodeJam (2nd year practical lab). In total, these courses have more than 800 students each year. On top of that our group supervises more than 50 student theses every year.

8. Membership in Panels & Boards / Scientific Reviewing Activities / Conference Organization

Member of many hiring and reviewing committees, and member of about 100 renowned international program committees. Many chairing roles, several roles as program committee chair. These are listed in the full CV: https://disco.ethz.ch/members/wroger/bio.php.

9. Prizes, Awards, Fellowships

Various best paper awards. In addition, winning the Prize for Innovations in Distributed Computing in 2012, for "extensive contributions to the study of distributed approximation."