Timothy Roscoe

Full Professor of Computer Science
Swiss Federal Institute of Technology (ETH) Zurich

ETH Zurich CAB F.79, +41 44 632 8840 (direct)
Universitätstr. 6, +41 44 632 4517 (assistant)
8092 Zurich, `troscoe@inf.ethz.ch`
Switzerland `https://people.inf.ethz.ch/troscoe`

Research Interests

Monitoring and management of datacenters, Operating systems for heterogeneous multicore processors, the architecture of the Internet, network control plane design.

Employment and Positions

Swiss Federal Institute of Technology (ETH)	*Zurich, Switzerland*
Full Professor of Computer Science	2007–present
Director, Networks and Operating Systems Group	2007–present
Co-Director, Enterprise Computing Center	2008–present
Head, Institute for Pervasive Computing	2010–present
Executive Committee, Institute for Science, Technology, and Policy	2014–present
University of Washington	*Seattle, WA, USA*
Visiting Professor	2013
Microsoft Research	
Visiting Faculty *(Cambridge, UK)*	2008
Consulting Researcher *(Mountain View, California, USA)*	2014
National ICT Australia	*Sydney, Australia*
Visiting Researcher (Embedded and Real-time Operating Systems Group)	2006–2007
University of California at Berkeley	*Berkeley, California, USA*
Adjunct Professor of Computer Science	2004–2007
Visiting Industrial Fellow	2001–2002
Intel Research	*Berkeley, California, USA*
Senior Research Scientist	2002–2004
Principal Research Scientist	2004–2006
Visiting Faculty Researcher	2007
Sprint Advanced Technology Labs	*Burlingame, California, USA*
Distinguished Research Scientist	1998–2002
Persimmon IT, Inc.	*Durham, North Carolina, USA*
Vice President, Research and Development	1995–1998
University of Cambridge Computer Laboratory	*Cambridge, UK*
Research Associate (Systems Research Group)	1990–1995
Olivetti Research Ltd.	*Cambridge, UK*
Contractor (Multimedia Streaming Group)	1994
Xerox Palo Alto Research Center	*Palo Alto, California, USA*
Research Intern (Networking Group)	1993

University of Cambridge, UK

PhD in Computer Science: *The Design of a Multi-Service Operating System*	1995
Diploma in Computer Science	1990
BA (Hons) in Mathematics	1989

AWARDS

Google Faculty Research Award	2015
Best paper award: USENIX Operating Systems Design and Implementation (OSDI)	2014
USENIX Software Tools User Group award	2014
NSDI 10-year "Test of Time" award	2014
Fellow of the ACM	2013
ACM SIGCOMM 10-year "Test of Time" award	2013
ETH Zurich "Goldene Eule" teaching award for Computer Science	2011
Best paper award: PLOS (Programming Languages and Operating Systems)	2009
IBM Faculty Award	2009
Best paper award: USENIX Annual Technical Conference	2005

RECENT PROFESSIONAL SERVICE

Program Committee Chair

ACM / USENIX OSDI (Operating Systems Design and Implementation) (with Kim Keeton)	2016
USENIX Annual Technical Conference (with Paul Barham)	2010
ACM / NSDI (Networked Systems Design and Implementation) (with Larry Peterson)	2008
WORLDS (Workshop on Real, Large, Distributed Systems) (with David Culler)	2004

Member of Program Committee

OSDI (Operating Systems Design and Implementation)	2014, 2012, 2004, 2002, 2000
SOSP (ACM Symposium on Operating Systems Principles)	2013, 2009
EuroSys (ACM SIGOPS/EuroSys Conference on Computer Systems)	2014, 2012, 2009, 2007
NSDI (USENIX/ACM Symposium on Networked Systems Design and Implementation)	2010, 2006, 2004
USENIX Annual Technical Conference	2008, 2007, 2005
HotOS (Workshop on Hot Topics in Operating Systems)	2009
Eurosys Roger Needham PhD thesis award	2012
SIGCOMM (ACM Conference on Computer Communication)	2011
VEE (ACM Workshop on Virtual Execution Environments)	2007
IEEE Conference on Peer-to-Peer Systems	2007
CIDR (ACM SIGMOD/VLDB Conference on Innovative Data Systems Research)	2007

Member of Steering Committee

NSDI (Usenix Symposium on Networked Systems Design and Implementation	2016–present
Eurosys (European Professional Society for Computer Systems)	2011–present
IEEE International Conference on Peer-to-Peer Computing	2008-2011
PlanetLab Consortium	2003–present

Other

Working Group member, US National Science Foundation GENI Initiative	2005–2010
External discussant, NSF Future Internet Architecture program	2012–present
Member, UK Engineering and Physical Sciences Research Council Review College	2002–present
National Science Foundation review panelist, USA	2003–2006

Publications

See `http://people.inf.ethz.ch/troscoe/publications.html` for a complete publication list.