

Robert Surton

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Education

Cornell University

PhD computer science, minor theatre performance, 2014

MS computer science, 2011

Rensselaer Polytechnic Institute

BS computer science, *magna cum laude*, 2007

Publications

Channel market analysis of application-driven connection recovery

PhD dissertation, advised by Robbert van Renesse, at Cornell University, 2014

Application-driven TCP recovery

Robert Surton, Ken Birman, and Robbert van Renesse, in DSN 2013

Network stacking considered harmful

Robert Surton, in Computing Frontiers 2013

Routers for the Cloud: Can the Internet achieve 5-nines availability?

Andrei Agapi, Ken Birman, Robert M Broberg, Chase Cotton, Thilo Keilmann, Martin Millnert, Rick Payne,

Robert Surton, and Robbert van Renesse, in IEEE Internet Computing, Sep/Oct 2011

Dr Multicast: R for data center communication scalability

Ymir Vigfusson, Hussam Abu-Libdeh, Mahesh Balakrishnan, Ken Birman, Gregory Chockler, Robert Burgess,

Haoyuan Li, and Yoav Tock, in EuroSys 2010

CrossT_EX: A modern bibliography management tool

Robert Burgess, in TUG 2007

Experience

Columbia Gorge Community College

Department chair, Computing Science, 2014–

Intel Labs

Virtualized networking research, 2013–2014

Cisco Systems

TCP recovery for high-availability routers, industry–academy collaboration, 2010–2011

Xerox Office Group

Network stack benchmarking, predatory printer testing, 2006

Custom embedded Linux distribution for two printer lines, 2005

System administration, failure detector automation, 2004

Webhostworks.net

Web-based site configuration tools for hosting clients, 2003, 2004

Portland State University

Nickle programming language documentation, system administration, 2002–2003

Honors and Associations

Columbia River Gorge Technology Alliance

Technology Leader of the Year Finalist, 2016

Oregon Council of Computing Chairs

Chair, 2015–

ABADÁ Capoeira

RPI Players

Rensselaer Polytechnic Institute

National Merit Scholarship, 2003–2007
Leadership Award, 2003–2007
Dean's List, 2003–2006

Flying Hedgehogs Productions

School of Science and Technology, Merlo Station High School

Susie A Laughlin Scholarship, 2003
Certificate of Advanced Mastery, 2003
Certificate of Initial Mastery, 2003
Academic Excellence, 2001–2003

Scouting

Eagle Scout, 2003
Brotherhood, Order of the Arrow, 2002

Intel Science and Engineering Fair

Computer Science Second Place, 2002
Best High School Mathematics, Math Teachers Association, 2002
Best Computer Software, IEEE, 2002

Metropolitan Youth Symphony

Flute, Concert Band, 1999–2002

Robert Sutton