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Henning Schulzrinne

Julian Clarence Levi Professor of Computer Science

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a. Professional Preparation

Technical University of Darmstadt, Germany	EE	B.S.	1984
Univ. of Cincinnati	EE	M.S.	1987
Univ. of Massachusetts, Amherst	EE	Ph.D.	1992

b. Appointments

2014–present	Technology Advisor, Federal Communications Commission (FCC)
2012–2014	Chief Technology Officer, Federal Communications Commission (FCC)
2010–2011	Engineering Fellow, FCC
2009–present	Julian Clarence Levi Professor of Computer Science, Columbia U.
2004-2009	Chair, Dept. of Computer Science, Columbia University
1996–:	Assoc. Prof. of Computer Science & Elect. Eng., Columbia U.
1994-1996	Member of research staff and associate dept. head, GMD Fokus, Berlin
1992-1994	Member of technical staff, AT&T Bell Laboratories
1987-1992	Research Assistant, University of Massachusetts, Amherst

c. Products: Five Most Closely Related Publications

A. Misra and H. Schulzrinne, "Policy-Driven distributed and collaborative demand response in Multi-Domain commercial buildings," in *1st Int'l Conf. on Energy-Efficient Computing and Networking ()*, (Passau, Germany), Apr. 2010.

X. Fu, H. Schulzrinne, H. Tschofenig, C. Dickmann, and D. Hogrefe, "Overhead and performance study of the general internet signaling transport (GIST) protocol," *IEEE/ACM Transactions on Networking*, Feb. 2009.

X. Wang and H. Schulzrinne, "Pricing network resources for adaptive applications," *IEEE/ACM Transactions on Networking*, Vol. 14, pp. 506–519, June 2006.

T. Hardie, A. L. Newton, H. Schulzrinne, and H. Tschofenig, "LoST: a Location-to-Service translation protocol," RFC 5222, Internet Engineering Task Force, Aug. 2008.

V. Singh, H. Schulzrinne, and K. Miao, "DYSWIS: an architecture for automated diagnosis of networks," in *Network Operations and Management Symposium (NOMS)*, (Salvador, Bahia), Apr. 2008.

c. Products: Five Other Significant Publications

P. Pan, E. Hahne, and H. Schulzrinne, "BGRP: sink-tree-based aggregation for inter-domain reservations," *Journal of Communications and Networks*, Vol. 2, pp. 157–167, June 2000.

M. Papadopouli and H. Schulzrinne, "Seven degrees of separation in mobile ad hoc networks," in *Proceedings of the IEEE Conference on Global Communications (GLOBECOM)*, (San Francisco, California), Nov. 2000.

J. Rosenberg, H. Schulzrinne, G. Camarillo, A. R. Johnston, J. Peterson, R. Sparks, M. Handley, and E. M. Schooler, "SIP: session initiation protocol," RFC 3261, Internet Engineering Task Force, June 2002.

H. Schulzrinne, A. Rao, and R. Lanphier, "Real time streaming protocol (RTSP)," RFC 2326, Internet Engineering Task Force, Apr. 1998.

H. Schulzrinne, S. Casner, R. Frederick, and V. Jacobson, "RTP: a transport protocol for Real-Time applications," RFC 1889, Internet Engineering Task Force, Jan. 1996.

d. Synergistic Activities

Editor: *Computer Communications*, *IEEE/ACM Transactions on Networking* (2000–2008), *IEEE Transactions on Image Processing* (1999–2001), *Journal on Communications and Networks* (1998–2008), *ACM Transactions on Multimedia Computing, Communications, and Applications*, *IEEE Internet Computing* (1996–1999, 2007–2009).

General chair, *e-Energy 2011*, *ICNP'09*, *P2P'09*, *IPTComm'07*, *CoNext'07*, *ACM Multimedia'04*; Technical program co-chair, *IFIP/TC6 NETWORKING'09*, *IPTComm'08*, *Infocom'00*; vice general chair, *Infocom'98*.

Current boards/panels: *IEEE/ACM Transactions on Networking* steering committee; conference steering committees; Armstrong Memorial Foundation. Past: Internet2 AMSAC advisory board; Internet Architecture Board (IAB); member-at-large, Board of Governors, IEEE Communications Society; co-chair, Internet Technical Committee of the IEEE Communications Society; chair, IEEE Communications Society Technical Committee on Computer Communications.

e. Collaborators & Other Affiliations

Collaborators and Co-Editors: A. Amirante (U. Napoli), S. Alexander (SPARTA), K. Andersson (Lulea), K. Arabshian (Bell Labs), M. Armstrong (Verizon), D. Baker (Telcordia), M. Barnes (Polycom), S. Baset (IBM), V. Beltran (UPC), P. Boni (Verizon), O. Boyaci (Google), J. Cangussu (UT Dallas), A. Cooper (CDT), Y.-H. Cheng (Telcordia), R. Dantu (UNT), S. Das (Telcordia), Z. Despotovic (DoCoMo), C. Dickmann (U Goettingen), A. Dutta (Niksun), D. Famolari (Telcordia), S. Fahmy (Purdue), A. Forte (AT&T), V. Fajardo (Niksun), X. Fu (U Goettingen), V. Hilt (Bell Labs), D. Hogrefe (U Goettingen), J. Kayfetz (UCSB), W. Kellerer (TUM), L.E. Li (Bell Labs). B. Lyles (NSF), C. Makaya (Telcordia), Y. Ohba (Toshiba), A. Misra (SMU), A. Moghadam (GS), D. Mulligan (UCB), L. Miniero (U. Napoli), E. Nahum (IBM), K. Ono (Cisco), M. Papadopouli (U Crete), R. Presta (U. Napoli), G. Reali (Perugia), I. Rimac (Bell Labs), S. Romano (U. Napoli), S. Seetharaman (DT R&D), S. Shin (Hughes), D. Sisalem (Tekelec), M. Steiner (Bell Labs), S. Subramanya (Cisco), M. Tauil (Telcordia), H. Tschofenig (Nokia-Siemens), E. Wilde (UCB), C. Wright (IBM), M. Yajnik (Telcordia), K. Yasukawa (Ericsson).

Graduate Advisors and Postdoctoral Sponsors: J. Kurose (UMass Amherst), D. Towsley (UMass Amherst), N. Maxemchuk (Columbia).

Thesis Advisor and Postgraduate-Scholar Sponsor: Jonathan Rosenberg (Cisco), Xin Wang (SUNY Stonybrook), Wing Yuen (Citigroup), Maria Papadopouli (FORTH), Ping Pan (Infinera), Wenyu Jiang (I2R), Lisa Amini (IBM Research), Santosh Krishnan (Akamai), Kundan Singh (Avaya Labs), Weibin Zhao (ask.com), Xiaotao Wu (Avaya Labs), Knarig Arabshian (Bell Labs), Sangho Shin (Samsung), Jonathan Lennox (Vidyo), Ashutosh Dutta (AT&T), Charles Shen (Columbia U.), Omer Boyaci (Google), SeGi Hong (Amazon), Kumiko Ono (Cisco), Arezzu Mogdaham (Goldman Sachs), Jae Woo Lee (Columbia), Roberto Francescangeli (Columbia), Sunghoon Seo (KT), Wookyun Kho (Samsung), Kyung-Hwa Kim (Google).

Total graduate students advised: 20; total postdocs sponsored: 8.