

The IEEE Communications Society William R. Bennett Prize in the Field of Communications Networking

Given annually to the best original paper published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years

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Prize

Plaque and honorarium up to \$500 for each author (total awards not to exceed \$1000).

Eligibility

Publication of original paper, in the category of Communications Networking, published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years; author need not be an IEEE member.

Basis for Judging

Quality, originality, utility, timeliness, clarity of presentation.

Nominee Solicitation

Nominations solicited by Transactions Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process

Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation

Annually (as soon as possible after recommendation). Note: award may not be given if a paper of high quality is not uncovered.

(first presented in 1975)

AWARDEES

- 2012** Alberto Rabbachin **"Cognitive Network Interference,"** *IEEE Journal on Selected Areas in Communications*, Vol. 29, No. 2, February 2011, pp. 480-493.
Tony Q.S. Quek
Hyundong Shin
Moe Z. Win
- 2011** Murali Kodialam **"Oblivious Routing of Highly Variable Traffic in Service Overlays and IP Backbones,"** *IEEE/ACM Transactions on Networking*, Vol. 17, No. 2, pp. 459-472, April 2009
T. V. Lakshman
James B. Orlin
Sudipta Sengupta
- 2010** *No Award*
- 2009** Sachin Katti **"XORs in the Air: Practical Wireless Network Coding",** *IEEE /ACM Transactions on Networking*, Vol. 16, No. 3, pp. 497–510, June 2008
Hariharan Rahul
Wenjun Hu
Dina Katabi
Muriel Medard
Jon Crowcroft
- 2008** Božidar Radunović **"A Unified Framework for Max-Min and Min-Max Fairness With Applications",** *IEEE/ACM Transactions on Networking*, Vol. 15, No. 5, pp. 1073 – 1083, October 2007
Jean-Yves Le Boudec
- 2007** **"Making Routing Robust to Changing Traffic Demands: Algorithms and Evaluation",** *IEEE/ACM Transactions on Networking*, Vol. 14, No. 6, pp. 1193-1206, December 2006
David Applegate
Edith Cohen
- 2006** João Luís Sobrinho **"An Algebraic Theory of Dynamic Network Routing",** *IEEE/ACM Transactions on Networking*, Vol. 13, No. 5, pp. 1160 – 1173, October 2005
- 2005** **"Measuring ISP Topologies With Rocketfuel",** *IEEE/ACM Transactions on Networking*, Vol. 12, No. 1, pp. 2-16, February 2004
Neil Spring
Ratul Mahajan
David Wetherall
Thomas Anderson

- 2004** Ion Stoica
Robert Morris
David Liben-Nowell
David R. Karger
M. Frans Kaashoek
Frank Dabek
Hari Balakrishnan
- "Chord: A Scalable Peer-to-Peer Lookup Protocol for Internet Applications"**, *IEEE/ACM Transactions on Networking*, Vol. 11, No. 1, pp. 17-32, February 2003
- 2003** Wu-chang Feng
Kang G. Shin
Dilip D. Kandlur
Debanjan Saha
- "The BLUE Active Queue Management Algorithms"**, *IEEE/ACM Transactions on Networking*, Vol. 10, No. 4, pp. 513-528, August 2002
- 2002** Sally Floyd
Vern Paxson
- "Difficulties in Simulating the Internet"**, *IEEE/ACM Transactions on Networking*, Vol. 9, No. 4, pp. 392-403, August 2001
- 2001** Chung Kei Wong
Mohamed G. Gouda
Simon S. Lam
- "Secure Group Communications Using Key Graphs"**, *IEEE/ACM Transactions on Networking*, Vol. 8, No. 1, pp. 16 – 30, February 2000
- 2000** Sally Floyd
Kevin Fall
- "Promoting the Use of End-to-End Congestion Control in the Internet"**, *IEEE/ACM Transactions on Networking*, Vol. 7. No. 4, August 1999, pp. 458-472
- 1999** Jorg Nonnenmacher
Ernst W. Biersack
Don Towsley
- "Parity-Based Loss Recovery for Reliable Multicast Transmission"**, *IEEE/ACM Transactions on Networking*, Vol 6, No 4, Aug 1998, pp. 349-361
- 1998** Vern Paxson
- "End-to-end Routing Behavior in the Internet"**, *IEEE/ACM Transactions on Networking*, October 1997
- 1997** S. H. Low
N.F. Maxemchuk
S. Paul
- "Anonymous Credit Cards and Their Collusion Analysis"**, *IEEE/ACM Transactions on Networking*, December 1996, Volume 4, Number 6, pp. 809-816
- 1996** R. Ramaswami
K. Silvarajan
- "Routing and wavelength assignment in all-optical networks"**, *IEEE/ACM Transactions on Networking*, Oct, 1995
- 1995** Will E. Leland
Murad S. Taqqu
Walter Willinger
Dan V. Wilson
- "On the Self-Similar Nature of Ethernet Traffic"**, *IEEE/ACM Transactions on Networking*, Vol. 2, No. 1, February 1994

1994 Abhay K. Parekh **"A Generalized Processor Sharing Approach to Flow Control**
Robert G. Gallager **in Integrated Services Networks: The Single Node Case",**
IEEE/ACM Transactions on Networking, Vol 1, No. 3, June 1993

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