

IEEE Communications Society & Information Theory Society Joint Paper Award

For outstanding papers published in any publication of the Communications Society or Information Theory Society the previous 3 calendar years

DEADLINE

Prize

A plaque and an honorarium up to US \$500 for each author (total cost not exceeding US \$1,000 for each paper).

Eligibility

For outstanding papers published in any publication of the Communications Society or the Information Theory Society within the previous three calendar years. The authors do not have to be a member of IEEE. Presented annually.

Basis for Judging

Quality, originality, utility, timeliness, and presentation. The paper should cover the interests and achieve the values of both the Communications Society and the Information Theory Society.

Sponsorship

Jointly sponsored by IEEE Communications Society (ComSoc) and Information Theory Society (IT).

Funding

Evenly funded by the two sponsoring societies.

Selection Process

1. Each year a joint papers evaluation subcommittee of six members is formed with three from each of the Awards committees of the two societies. ComSoc's members are appointed by the Chair of the ComSoc Awards Committee.

2. This subcommittee considers ranked nominations from publications boards in both societies and selects 1 or 2 papers as the award recipients. No paper already selected for a ComSoc paper award will be eligible. The processes/timelines will be the same as all other paper awards.

Presentation

Annually at any event sponsored by either of the two sponsoring societies selected by the recipient(s)

(Approved 1999; first presented 2002)

AWARDEES

- | | |
|---|--|
| 2012 Alexandros G. Dimakis
P. Brighten Godfrey
Yunnan Wu
Martin J. Wainwright
Kannan Ramchandran | Network Coding for Distributed Storage Systems," <i>IEEE Transactions on Information Theory</i> , Vol. 56, No. 9, pp. 4539 - 4551, September 2010 |
| Michael Lentmaier
Daniel J. Costello Jr.
Arvind Sridharan
Kamil Sh. Zigangirov | :"Iterative Decoding Threshold Analysis for LDPC Convolutional Codes," <i>IEEE Transactions on Information Theory</i> , Vol. 56, No. 10, pp. 5274 - 5289, October 2010 |
| 2011 Matthieu Bloch
João Barros
Miguel R. D. Rodrigues
Steven W. McLaughlin | "Wireless Information-Theoretic Security," <i>IEEE Transactions on Information Theory</i> , Vol. 54, No. 6, pp. 2515-2534, June 2008 |
| Giuseppe Caire
Nihar Jindal
Mari Kobayashi
Niranjay Ravindran | "Multiuser MIMO Achievable Rates With Downlink Training and Channel State Feedback," <i>IEEE Transactions on Information Theory</i> , Vol. 56, No. 6, pp.2845-2866, June 2010 |

- 2010** Ralf Kötter **"Coding for Errors and Erasures in Random Network Coding,"**
Frank Kschischang *IEEE Transactions on Information Theory*, Vol. 54, No. 8, pp. 3579-3591, August 2008
- 2009** Tracey Ho **"A Random Linear Network Coding Approach to Multicast,"**
Muriel Medard *IEEE Transactions on Information Theory*, Vol. 52, No. 10, pp. 4413 - 4429, October 2006
Rolf Kotter
David Karger
Michelle Effros
Jun Shi
Ben Leong
- 2008** Aliazam Abbasfar **"Accumulate-Repeat-Accumulate Codes,"** *IEEE Transactions on Communications*, Vol. 55, No. 4, pp. 692 - 702, April 2007
Dariush Divsalar
Kung Yao
- 2007** **"Raptor Codes,"** *IEEE Transactions on Information Theory*, Vol. 52, No. 6, pp. 2551 - 2567, June 2006
Amin Shokrollahi
- 2006** Tsachy Weissman **"Universal Discrete Denoising: Known Channel,"** *IEEE Transactions on Information Theory*, Vol. 51, pp. 5-28, January 2005
Eric Ordentlich
Gadiel Seroussi
Sergio Verdu
Marcelo J. Weinberger
- 2005** Nihar Jindal **"On the Duality of Gaussian Multiple-Access and Broadcast Channels,"** *IEEE Transactions on Information Theory*, Vol. 50, No. 5, pp. 768-783, May 2004
Sriram Vishwanath
Andrea Goldsmith
- 2004** Guiseppe Caire **"On the Achievable Throughput of a Multiantenna Gaussian Broadcast Channel,"** *IEEE Transactions on Information Theory*, Vol. 49, No. 7, pp. 1691-1706, July 2003
Shlomo Shamai
- 2003** **"Variations on the Gallager Bounds, Connections, and Applications,"** *IEEE Transactions on Information Theory*, Vol. 48, No. 12, pp. 3029-3051, December, 2002
Shlomo Shamai (Shitz)
Igal Sason
- 2002** Michael L. Honig **"Performance of Reduced-Rank Linear Interference Suppression,"** *IEEE Transactions on Information Theory*, Vol. 47, No. 5, pp. 1928-1946, July, 2001
Weimin Xiao

2001

David Tse **"Linear Multiuser Receivers: Effective Interference, Effective**
Stephen **Bandwidth and User Capacity,"** *IEEE Transactions on Information Theory*
Hanly , Vol. 45, No. 2, pp. 641-657, March 1999

Xiaodong **"Iterative (Turbo) Soft Interference Cancellation and Decoding for**
Wang **Coded CDMA,"** *IEEE Transactions on Communications*, Vol. 47, No. 7,
Vincent Poor pp.1046-1061, July 1999

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