

IEEE Marconi Prize Paper Award in Wireless Communications

Restricted to a paper from IEEE Transactions on Wireless Communications (joint selection procedure) in the previous 3 calendar years

DEADLINE

Prize

Plaque, honorarium of up to US\$1000, travel reimbursement of up to US\$3000.

Description

The IEEE Guglielmo Marconi Best Paper Award is an annual award, sponsored by Qualcomm Inc., for an original paper in the field of Wireless Communications published in the *IEEE Transactions on Wireless Communications*. NOTE: *IEEE Transactions on Wireless Communications* is co-sponsored by the IEEE Communications Society and IEEE Signal Processing Society.

Eligibility

Author of an original paper in the field of Wireless Communications, published in the *IEEE Transactions on Wireless Communications* in the previous 3 calendar years, are eligible for the Award. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender.

Basis for Judging

Originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation

Nominations solicited by the Editor-in-Chief of *IEEE Transactions on Wireless Communications* from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process

Annually solicitations are sought from 1 January through 15 February; a short list is generated by 1 March; selection by an award committee (consisting of 3 members of the

ComSoc Awards Committee and 1 from the Signal Processing Society) is completed by 10 April; the Chair of the Communications Society Awards Committee notifies recipients no later than 20 April.

Administration

Sponsored by Qualcomm Inc., in addition to the \$1000 honorarium, a travel reimbursement of up to US\$3000 is provided for travel and living to enable recipients to attend the Awards Luncheon.

Term of Commitment:

It is expected that Qualcomm Incorporated will fund the presentation of the *IEEE Guglielmo Marconi Paper Prize Award in Wireless Communications* for the years 2003 through 2012. In the event that Qualcomm Incorporated determines that it no longer wishes to sponsor the *IEEE Guglielmo Marconi Paper Prize Award in Wireless Communications* beyond the year 2012, Qualcomm Incorporated will provide, in writing, a minimum of eighteen months advance notice of withdrawal of sponsorship. In order to prevent any further publicity regarding this Award, notification must be given no later than 15 June of any year during the sponsorship. In this case, the sponsorship would end on 31 December of the year following the notice of withdrawal.

Presentation

Annually presented by the IEEE Communications Society Awards Committee Chair, in the name of the IEEE Communications Society, the IEEE Signal Processing Society, and the external sponsor of the award, at the International Conference on Communications.

AWARDEES

2012 Eric Torkildson Upamanyu Madhow Mark Rodwell	"Indoor Millimeter Wave MIMO: Feasibility and Performance," <i>IEEE Transactions on Wireless Communications</i> , Vol.10, No.12, December 2011, pp. 4150- 4160.
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2011 Li Ping Qian Angela Yingjun Zhang Jianwei Huang	"MAPEL: Achieving Global Optimality for a Non-Convex Wireless Power Control Problem," <i>IEEE Transactions on Wireless Communications</i> , Vol. 8, No. 3, pp. 1553-1563, March 2009
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- 2010** Yan Zhu **"A Message-Passing Approach for Joint Channel Estimation, Interference Mitigation, and Decoding"**, *IEEE Transactions on Wireless Communications*, Vol.8, No. 12, pp. 6008-6018, December 2009
Dongning Guo
Michael L. Honig
- 2009** Wei Chen, Lin Dai **"A Unified Cross-Layer Framework for Resource Allocation in Cooperative Networks"**, *IEEE Transactions on Wireless Communications*, Vol.7, No. 8, pp. 3000-3012, August 2008
Khaled Ben Letaief
Zhigang Cao
- 2008** Aggelos Bletsas **"Cooperative Communications with Outage-Optimal Opportunistic Relaying"**, *IEEE Transactions on Wireless Communications*, Vol. 6, No. 9, pp. 3450 – 3460, September 2007
Hyundong Shin
Moe Z. Win
- 2007** **"On the Capacity of Mobile Ad-Hoc Networks with Delay Constraints"**, *IEEE Transactions On Wireless Communications*, Vol. 5, No. 8, pp. 2061 2071, August 2006
Cristina Comaniciu
H. Vincent Poor
- 2006** Yun Zhu **"Differential Modulation Based On Quasi-Orthogonal Codes"**, *IEEE Transactions on Wireless Communications*, Vol. 4, No. 6, pp. 3018 – 3030, November 2005
Hamid Jafarkhani
- 2004** Yan Xin **"Space-Time Diversity Systems Based on Linear Constellation Precoding"**, *IEEE Transactions on Wireless Communications*, Vol. 2, No. 2, pp. 294-309, March 2003
Zhengdao Wang
Georgios B. Giannakis
- 2003** **"Wireless Systems and Interference Avoidance"**, *IEEE Transactions on Wireless Communications*, Vol. 1, No. 3, pp. 415-428, July 2002
Christopher Rose
Sennur Ulukus
Roy D. Yates

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