IEEE W. R. G. BAKER PRIZE PAPER AWARD
RECIPIENTS

The award was discontinued in February 2016.

2016 NOT AWARDED

2015 THOMAS L. MARZETTA

2014 STEPHEN J. WRIGHT
University of Wisconsin, Madison, Wisconsin, USA
ROBERT NOWAK
University of Wisconsin, Madison, Wisconsin, USA
MÁRIO A. T. FIGUEIREDO
Instituto de Telecomunicações, Instituto Superior Técnico, Torre Norte, Lisboa, Portugal

2013 ERDAL ARIKAN
Bilkent University
Ankara, Turkey

2012 GERHARD KRIEGER
ALBERTO MOREIRA
HAUKE FIEDLER
IRENA HAJNSEK
MARIAN WERNER
MARWAN YOUNIC
MANFRED ZINK

2002 thru 2011 – NOT AWARDED

2001 KESHAB PARHI
University of Minnesota
Minneapolis, MN, USA

2000 A. LEE SWINDLEHURST
Brigham Young University
Provo, UT

AND PETRA STOICA
Uppsala University
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Uppsala, Sweden

1999 - WAYNE D. GROVER
Telecommunications Research Laboratory
Edmonton, Alberta, Canada

1998 - PAUL F. MCMANAMON
TERRY A. DORSCHNER
DAVID L. CORKUM
LARRY J. FRIEDMAN
DOUGLAS S. HOBBS
MICHAEL HOLZ
SERGEY LIBERMAN
HUY Q. NGUYEN
DANIEL P. RESLER
RICHARD C. SHARP
EDWARD A. WATSON

1997 - RAJIV RAMASWAMI
AND KUMAR N. SIVARAJAN
IBM/T. J. Watson Research Center
Yorktown Heights, NY, USA

1996 - WILL E. LELAND
AND WALTER WILLINGER
AND DANIEL V. WILSON
Bellcore, Morristown, NJ, USA
MURAD S. TAQQU
Boston University, Boston, MA, USA

1995 - PETROS MARAGOS
Georgia Inst. Of Technology, Atlanta, GA
AND JAMES F. KAISER
Rutgers University, Piscataway, NJ, USA
AND THOMAS F. QUATIERI
MIT, Cambridge, MA, USA

1994 - MICHAEL M. GREEN
"How to Identify Unstable dc Operating Points,"
IEEE W. R. G. BAKER PRIZE PAPER AWARD
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State University of New York
Stony Brook, NY, USA

AND

ALAN N. WILLSON, JR.
University of California
Los Angeles, CA


1993 - NARASIMHAM VEMPATI

AND

ILYA W. SLUTSKER
Empros Systems International
Minneapolis, MN

AND

WILLIAM F. TINNEY
Consultant
Portland, OR, USA


1992 - ALON ORLITSKY

AND

AT&T Bell Laboratories
Murray Hill, NJ, USA


1991 - JOHN C. DOYLE

AND

California Institute of Technology
Pasadena, CA, USA


AND

KEITH CLOVER
Cambridge University
Cambridge, England

AND

BRUCE A. FRANCIS
University of Toronto
Toronto, Ont., Canada

AND

PRAMOD P. KHARGONEKAR
University of Michigan
Ann Arbor, MI, USA

1990 - ALLEN C. NEWELL

AND

National Institute of Standards and Technology, Boulder, CO, USA

"Error Analysis Technique" for Planar Near-Field Measurements," IEEE Transactions on Antennas and Propagation, June 1988

1989 - RANDAL E. BRYANT

AND

Carnegie-Mellon University
Pittsburgh, PA, USA

"Algorithmic Aspects of Symbolic Switch Network Analysis" and "Boolean Analysis of MOS Circuits," IEEE Transactions on Computer Aided Design,
IEEE W. R. G. BAKER PRIZE PAPER AWARD
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July 1987

1988 - BENJAMIN KEDEM
University of Maryland
College Park, MD, USA
"Spectral Analysis and Discrimination by
Zero-Crossings," Proceedings of the IEEE,
November 1986

1987 - JAMES L. MASSEY
Swiss Federal Institute of
Technology
Zurich, Switzerland
"The Collision Channel Without Feedback," IEEE
Transactions on Information Theory, March 1985

AND PETER MATHYS
University of Colorado
Boulder, CO, USA

1986 - ADI SHAMIR
Weizmann Institute of Science
Rehovet, Israel
"A Polynomial-Time Algorithm for Breaking the
Basic Merkle-Hellman Cryptosystem," IEEE
Transactions on Information Theory, September
1984.

1985 - JOHN W. ADAMS
Hughes Aircraft Company
Los Angeles, CA, USA
"A New Approach to FIR Digital Filters with Fewer
Multipliers and Reduced Sensitivity," IEEE
Transactions on Circuits and Systems, May 1983

AND ALAN N. WILLSON, JR.
University of California,
Los Angeles, CA, USA

1984 - YANNIS TSIVIDIS
Columbia University
New York, NY, USA
"Signal Processors with Transfer Function
Coefficients Determined by Timing," IEEE
Transactions on Circuits and Systems, December
1982

1983 - RYSZARD MALEWSKI
AND CHINH T. NGUYEN
Hydro Quebec Institute of Research
Varennes, Canada

"Elimination of the Skin Effect Error in
Heavy-Current Shunts," IEEE Transactions on
Power Apparatus and Systems, March 1981

AND KURT FESER
Haefely & Co., Ltd., Basel,
Switzerland

AND NILS HYLTHEN-CAVALLIUS
Center Pesquisas Energia Eletrica
Rio De Janeiro, Brazil
IEEE W. R. G. BAKER PRIZE PAPER AWARD
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1982 - CARL O. BOZLER
AND GARY D. ALLEY
MIT Lincoln Laboratory
Lexington, MA, USA


1981 - TIMOTHY C. MAY
INTEL Corporation
Aloha, OR, USA

AND MURRAY H. WOODS
INTEL Corporation
Santa Clara, CA, USA

"Alpha-Particle-Induced Soft Errors in Dynamic Memories," *IEEE Transactions on Electron Devices*, January 1979

1980 - DAVID J. ALLSTOT
Texas Instruments Inc.,
Dallas, TX, USA

AND PAUL R. GRAY
University of California,
Berkeley, CA, USA

AND GORDON M. JACOBS
Dolby Laboratories, Inc.,
San Francisco, CA, USA

AND ROBERT W. BRODERSEN
University of California,
Berkeley, CA, USA


1979 - STEPHEN W. DIRECTOR
Carnegie-Mellon University
Pittsburgh, PA, USA
GARY D. HACHTEL
University of Denver,
Denver, CO, USA


1978 - JAMES S. KRESGE
AND EUGENE C. SAKSHAUG
General Electric Company,
Pittsfield, MA, USA

AND STANLEY A. MISKE, JR.
General Electric Co.,
Schenectady, NY, USA

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1977 - MANFRED R. SCHROEDER
Bell Laboratories
Murray Hill, NJ, USA
"Models of Hearing," Proceedings of the IEEE, September 1975

1976 - ROBERT W. KEYES
IBM
Hopewell Junction, NY, USA
"Physical Limits in Digital Electronics," Proceedings of the IEEE, May 1975

1975 - STEWART E. MILLER
AND ENRIQUE A.J. MARCATILI
AND TINGYE LI
Bell Laboratories
Holmdel, NJ, USA

1974 - DAVID B. LARGE
Conservation Foundation, Washington, DC, USA
AND LAWRENCE BALL
AND ARNOLD J. FARSTAD
Westinghouse Georesearch Laboratory, Boulder, CO, USA

1973 - LEON O. CHUA
University of California
Berkeley, CA, USA

1972 - DIRK J. KUIZENGA
AND ANTHONY E. SIEGMAN
Stanford University
Stanford, CA, USA

1971 - ANDREW H. BOBECK
ROBERT F. FISCHER
ANTHONY J. PERNESKI
J. P. REMEIKA
L. G. VAN UITERT
Bell Telephone Labs, Inc., Murray Hill, NJ, USA

1970 - GEORGE J. FRIEDMAN
Northrop Electro-Mechanical Division
Palos Verdes Peninsula, CA, USA
IEEE W. R. G. BAKER PRIZE PAPER AWARD
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The award was discontinued in February 2016.

AND CORNELIUS T. LEONDES
University of California
Los Angeles, CA, USA

1969 - TOSIRO KOGA
Kyushu University
Fukuoka, Japan
"Synthesis of Finite Passive n-Ports with
Prescribed Positive Real Matrices of Several
Variables," IEEE Transactions on Circuit Theory,
March 1968

1968 - JONNY ANDERSEN
AND HARRY B. LEE
MIT, Cambridge, MA, USA
"Network Synthesis Using Lossy Reactances,
IEEE Transactions on Circuit Theory, September
1966

1967 - DEAN E. MCCUMBER
AND ALAN G. CHYNOWETH
Bell Telephone Labs, Inc.,
Murray Hill, NJ, USA
"Theory of Negative-Conductance Amplification
and of Gunn Instabilities in 'Two-Valley'
Semiconductors," IEEE Transactions on Electron
Devices, January 1966

1966 - ROBERT G. GALLAGER
MIT
Cambridge, MA, USA
"A Simple Derivation of the Coding Theorem and
Some Applications," IEEE Transactions on
Information Theory, January 1965

1965 - DANTE C. YOULA
Polytechnic Institute of Brooklyn
Farmingdale, NY, USA
Transactions on Circuit Theory, March 1964

1964 - DONALD L. WHITE
Bell Telephone Laboratories
Murray Hill, NJ, USA
"The Depletion Layer Transducter," IEEE
Transactions on Professional Technical Group on
Ultrasonics Engineering, July 1962