

IEEE KOJI KOBAYASHI COMPUTERS AND COMMUNICATIONS AWARD

RECIPIENTS

- 2018 - VICTOR BAHL
Professor, University of
California, Berkeley, Berkeley,
California, USA
"For contributions to broadband wireless
systems."
- 2017 - KANNAN RAMCHANDRAN
Professor, University of
California, Berkeley, Berkeley,
California, USA
"For pioneering contributions to the theory and
practice of distributed source and storage
coding."
- 2016 - LEANDROS TASSIULAS
Professor, Yale University,
New Haven, CT, USA
"For contributions to the scheduling and
stability analysis of networks."
- 2015 - ALBERT GREENBERG
Partner, Director Azure
Networking, Microsoft,
Redmond, Washington, USA
"For fundamental contributions to large-scale
backbone networks and data-center networks."
- 2014 - GEORGE VARGHESE
Principal Researcher,
Microsoft Research,
Mountain View, CA, USA
"For contributions to the field of network
algorithmics and its applications to high-speed
packet networks."
- 2013 - THOMAS EDWARD ANDERSON
Robert E. Dinning Professor of
Computer Science &
Engineering, University of
Washington, Seattle, WA, USA
"For contributions to understanding and
improving the performance, reliability, and
security of the Internet."
- 2012 - JEAN WALRAND
Professor of Electrical
Engineering and Computer
Sciences, University of
California at Berkeley,
Berkeley, CA, USA
"For contributions to the theory and algorithms
for high-speed switching and network resource
allocation."
- 2011 - THOMAS J. RICHARDSON
Vice President Engineering
Qualcomm Flarion
Technologies
NJ, USA
"For developing the theory and practice of
transmitting data reliably at rates approaching
channel capacity."
- AND
RÜEDIGER L. URBANKE
Professor, Ecole Polytechnique
Fédérale de Lausanne (EPFL)
Lausanne, Switzerland

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- 2010 – LARRY PETERSON
Robert E. Kahn Professor
Princeton University
Princeton, NJ, USA
"For ground-breaking contributions to the design, implementation, and deployment of networked software systems."
- 2009 – NICK MCKEOWN
Associate Professor of Electrical Engineering, Stanford University,
Stanford, CA, USA
"For pioneering contributions to the theory and practice of input-queued switches, their scheduling algorithms, and router buffers."
- 2008 - DON COPPERSMITH
Research Staff Member, CCR
Princeton,
Princeton, NJ, USA
"For outstanding achievement and ground breaking contributions in computational complexity and the theory and practice of cryptography"
- 2007 – DONALD F. TOWSLEY
Professor, Department of Computer Science,
Amherst, MA
"For fundamental contributions to the theory and practice of computers and communication networks."
- 2006 - NICHOLAS F. MAXEMCHUK
Professor
Columbia University
New York, NY, USA
"For contributions to Metropolitan and Local Area Networks, reliable multicast and protocol testing."
- 2005 – FRANK KELLY
Professor, Statistical Laboratory, Centre for Mathematical Sciences,
University of Cambridge
Cambridge, England
"For contributions to the development of fundamental theories for the understanding, performance evaluation, and enhancement of telecommunications networks."
- 2004 – NOT AWARDED
- 2003 - BRUCE HAJEK
Founders Professor of Engineering, College of Engineering Professor
Department of Electrical and Computer Engineering,
Research Professor,
Coordinated Science Laboratory, University of Illinois at Urbana-Champaign,
Urbana, IL, USA
"For the application of stochastic and probabilistic theory to improved understanding of computer-network behavior, particularly, the modeling and performance optimization of multiple-access channels."

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- 2002 – VAN JACOBSON
Packet Design
Menlo Park, CA, USA
"For major contributions to the understanding of network congestion, and the development of congestion control mechanisms, enabling the successful scaling of the Internet."
- 2001- JOHN M. CIOFFI
Stanford University
Stanford, CA, USA
"For contributions to the development of asynchronous digital subscriber line technology, supporting theory."
- 2000 - RONALD LINN RIVEST
MIT, Arlington, VA, USA
AND
ADI SHAMIR
Weizmann Institute of Science
Rehovot, Israel
AND
LEONARD ADLEMAN
University of California
Northridge, CA , USA
"For the revolutionary invention of the RSA public key cryptosystem which is the first to be widely-adopted."
- 1999 - WHITFIELD DIFFIE
Sun Microsystems
Palo Alto, CA, USA
AND
MARTIN E. HELLMAN
Stanford University
Stanford, CA, USA
AND
RALPH CHARLES MERKLE
Xerox PARC
Sunnyvale, CA, USA
"For the revolutionary invention of public key cryptosystems which form the foundation for privacy, integrity and authentication in modern communication systems."
- 1998 - JACK K. WOLF
University of California
San Diego, CA, USA
"For fundamental contributions to multi-user communications and applications of coding theory to magnetic data storage devices."
- 1997 - TIMOTHY JOHN BERNERS-LEE
Massachusetts Inst. of
Technology
Cambridge, MA, USA
"For conceiving and pioneering the World Wide Web."
- 1996 - KANIANTHRA (MANI) CHANDY
California Inst. of Technology
Pasadena, CA, USA
"For fundamental contributions to the theory and practice of computer and communications performance modeling."
- 1995 - NORMAN ABRAMSON
"For development of the concept of the Aloha

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| Database Associates
Honolulu, HI, USA | System, which led to modern local area networks." |
| 1994 - JONATHAN SHIELDS TURNER
Washington University
St. Louis, MO, USA | "For fundamental contributions to communications and computing through architectural innovation in high-speed packet networks." |
| 1993 - GOTTFRIED UNGERBOECK
IBM Zürich Research Lab.
Rüschlikon, Switzerland | "For contributions to signal processing for data communications, specifically for pioneering trellis-coded modulation." |
| 1992 - VINTON G. CERF
AND
ROBERT E. KAHN
Corp. for Nat'l Res. Initiatives
Reston, VA, USA | "For the creation of the concept of the Transmission Control Protocol/Internet Protocol architecture for packet switched internetting." |
| 1991 - STEPHEN S. LAVENBERG
IBM Corp.
Yorktown Heights., NY, USA
AND
MARTIN REISER
IBM
Zürich, Switzerland | "For fundamental contributions to the theory and practice of computer and communications systems performance modeling." |
| 1990 - ELWYN R. BERLEKAMP
Cyclotomics, Inc.
Berkeley, CA, USA | "For profound contributions, in mathematical theory and engineering practice, to error-correcting codes for communications and data storage." |
| 1989 - ALEXANDER G. FRASER
AT&T Bell Labs.
Murray Hill, NJ, USA | "For contributions to computer communications and the invention of virtual-circuit switching." |
| 1988 - STUART WECKER
Bell Atlantic Co.
Sudbury, MA, USA | "For contributions to distributed computer network architectures and protocol." |