

IEEE KOJI KOBAYASHI COMPUTERS AND COMMUNICATIONS AWARD

RECIPIENTS

- 2024 – ANJA FELDMANN
Director, Max-Planck-Institut
für Informatik, Saarbrücken,
Saarland, Germany
“For contributions to the field of networking and Internet technologies, specifically to traffic engineering, network measurements, and Internet protocols.”
- 2023 – ION STOICA Professor of
Computer Science Division,
University of California,
Berkeley, Berkeley, California,
USA
“For contributions to the design of cloud and computer network services.”
- 2022 – MURIEL MÉDARD
Cecil H. Green Professor of
Electrical Engineering and
Computer Science,
Massachusetts Institute of
Technology, Cambridge,
Massachusetts, USA
“For contributions to the theory and practice of network coding, optical networks, and wireless communications.”
- 2021 – HARI BALAKRISHNAN
Professor, Massachusetts
Institute of Technology,
Cambridge, Massachusetts,
USA
“For broad contributions to computer networking and mobile and wireless systems.”
- 2020 – BALAJI PRABHAKAR
VMware Founders Professor of
Computer Science, Professor of
Electrical Engineering and
Computer Science and
Graduate School of Business,
Stanford University, Stanford,
California, USA
“For contributions to the theory and practice of network algorithms and protocols, in particular Internet routers, data centers, and self-programming networks.”
- 2019 – R. SRIKANT
Fredric G. and Elizabeth H.
Nearing Endowed Professor,
Department of Electrical and
Computer Engineering and
Coordinated Science Lab,
University of Illinois, Urbana,
Illinois, USA
“For contributions to congestion control and scheduling in computer communication networks.”

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- 2018 – VICTOR BAHL
Distinguished Scientist,
Microsoft Research, Microsoft,
Redmond, Washington, 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
- 2010 – LARRY PETERSON
“For ground-breaking contributions to the

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- Robert E. Kahn Professor
Princeton University
Princeton, NJ, USA
- 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 – NO AWARD
- 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."
- 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

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- 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
- 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
- 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
Database Associates
Honolulu, HI, USA
- "For development of the concept of the Aloha 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

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- 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."