

IEEE MASARU IBUKA CONSUMER TECHNOLOGY AWARD

RECIPIENTS

2024 – STEVE B. FURBER
ICL Professor of Computer
Engineering, Department of
Computer Science, University of
Manchester, Manchester, United
Kingdom

“For the design of the 32-bit ARM RISC
microprocessor.”

AND

SOPHIE M. WILSON
Research Fellow, Broadcom,
Cambridge, United Kingdom

2023 – KEN SAKAMURA
Director of YRP Ubiquitous
Networking Laboratory, and Dean
of Toyo University, Tokyo, Japan

“For leadership in creating open and free
operating systems for embedded
computers used in consumer electronics.”

2022 – PETER DILLON
Retired, Kodak Research Labs,
Pittsford, New York, USA

“For contributions to the development of
image sensors with integrated color filter
arrays for digital video and still cameras.”

AND

ALBERT BRAULT
Retired, Kodak Research Labs,
Fairport, New York, USA

2021 – STEVE WOZNIAK
Public Speaker, Woz Speaks,
Los Gatos, California, USA

“For pioneering the design of consumer-
friendly personal computers.”

2020 – EBEN UPTON
CEO, Raspberry Pi,
Cambridge, Cambridgeshire,
United Kingdom

“For creating an inexpensive single-board
computer and surrounding ecosystem for
education and consumer applications”

2019 – TOMONORI AOYAMA
Professor Emeritus, The University
of Tokyo, Kamakura, Japan

“For pioneering contributions to super-
high-definition image technologies leading
to 4K digital cinema television.”

AND

TAKASHI HAYASAKA
Corporate Officer, Business
Consulting, Tokyo, Japan

2018 – LINUS BENEDICT TORVALDS
Fellow, Linux Foundation, San

“For his leadership of the development and
proliferation of Linux.”

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RECIPIENTS

Francisco, California, USA

- 2017 – JOHN O’ SULLIVAN
Electrical Engineer, Taggle Systems,
Everleigh, Australia
- AND
- DAVID SKELLERN
Chairman, Capital Markets CRC
Limited, Sydney, Australia
- AND
- TERENCE PERCIVAL
Director (Retired), Broadband and
the Digital Economy, NICTA,
Northbridge, Australia
- 2016 – STEVEN J. SASSON
President, Steven J. Sasson
Consulting LLC, Hilton, New York,
USA
- 2015 – MARTIN COOPER
Chair, Dyna LLC,
Del Mar, California, USA
- 2014 – NO AWARD
- 2013 – MARTIN DIETZ
Vice President, EMEA and Business
Strategy, Dolby Laboratories,
Nürnberg, Germany
- AND
- KRISTOFER KJÖRLING
Principal Member Technical Staff,
Dolby Laboratories,
Stockholm, Sweden
- AND
- LARS LILJERYD
Principal Member Technical Staff and
Senior Advisor Research, Dolby
Laboratories, Stockholm, Sweden
- 2012 – GISLE BJØNTEGAARD
Chief Scientist, Tandberg Telecom,
Lysaker Norway
- AND
- GARY J. SULLIVAN
Video and Image Technology
Architect, Microsoft Corporation,
- “For pioneering contributions to high-speed wireless LAN technology.”
- “For designing and building the first digital still camera.”
- “For pioneering contributions to mobile wireless technology, including the first handheld cellular telephone.”
- “For pioneering innovations in digital audio coding, technology leadership, and contributions to the development of High-Efficiency AAC (“HE-AAC”).”
- “For leadership and technical contributions to the development of the globally deployed video coding standard H.264/MPEG4-AVC.”

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- Redmond, WA, USA
- AND
- THOMAS WIEGAND
Chair Image Communication,
Fraunhofer Institute for
Telecommunications – Heinrich
Hertz Institute, Head Image
Processing Department & Berlin
University of Technology,
Berlin, Germany
- 2011 – JOAN LAVERNE MITCHELL
Ricoh /IBM InfoPrint Solutions
Company,
Boulder, CO, USA “For fundamental contributions to image
compression in printing technology and
digital image processing in consumer
electronics.”
- 2010 – JAMES BARTON
CTO, Sr. VP Research & Dev,
Director and Co-Founder TiVo, Inc.
Alviso, CA, USA “For contributions to the development and
commercialization of digital video
recorders.”
- 2009 – EUGENE J. POLLEY
Retired Engineer, Head of Video
Recording Group, Zenith Electronics
Lincolnshire, IL, USA “For contributions to the technology of the
wireless remote control for television and
other consumer electronic products.”
- 2008 – RALPH H. BAER
Chief Engineer, RH Baer
Consultants, Manchester, NH, USA “For commercialization of interactive video
games and other consumer toys”
- 2007 – TOMLINSON HOLMAN
University of Southern California
Los Angeles, CA, USA “For engineering contributions and
innovative developments in audio and
cinema multichannel playback systems.”
- 2006 – WAYNE BRETL
R&D Manager
Zenith Electronics Corporation
Lincolnshire, IL, USA “For contributions to the development of
the vestigial sideband (VSB) digital
transmission system for digital television
broadcasting”
- AND
- RICHARD CITTA
Chief Scientist
Micronas
Palatine, IL, USA
- AND
- WAYNE LUPLOW
Vice President
Zenith Electronics Corporation
Lincolnshire, IL, USA

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2005 – NO AWARD

2004 – KARLHEINZ BRANDENBURG
Professor & Head of Department of
Electronic Media Technique
University of Ilmenau,
Erlangen, Germany

“For major contributions to digital audio
source coding.”

2003 – RICHARD H. SMALL
Senior Principal Engineer,
Harmon Becker Automotive
Systems, Inc.
Martinsville, IN, USA

For major contributions to the synthesis
and analysis of loudspeakers.”

AND

NEVILLE THIELE
Honorary Research Associate
Univ of Sydney, Sydney, Australia

2002 – TAKASHI FUJIO
Lecturer, Himeji Institute of
Technology, Engineering
Department, Japan

“For pioneering contributions to the
research and development of High
Definition Television.”

AND

KOZO HAYASHI
Senior Executive Director, Sharp
Corporation, Tokyo, Japan

AND

MASAO SUGIMOTO
Executive Corporate Engineering
Advisor, Pioneer Corporation, Tokyo,
Japan

AND

MASAHIKO MORIZONO
Chief Advisor of Technology, Sony
Corporation, Tokyo, Japan

AND

YUICHI NINOMIYA
Executive Research Engineer, Japan
Broadcasting Corporation, Director,
NHK Science & Technical Research
Laboratories, Tokyo, Japan

2001 – ULRICH REIMERS
Institute of Nachrichtentechnik
Vechelde, Germany

“For visionary leadership in the
development of digital video broadcast
(DVB) Standards and implementation
guidelines for satellite, terrestrial and cable
equipment.”

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- 2000 – MARVIN H. WHITE
Lehigh University
Bethlehem, PA, USA
"For pioneering and innovative contributions to the development of low-light level, solid-state imagers used in consumer products."
- 1999 – LEONARDO CHIARIGLIONE
CSELT
Torino, Italy
"For technical leadership in the development of the Moving Picture Experts Group (MPEG) international standards for motion video and audio."
- 1998 – JERROLD A. HELLER
Consultant
Encinitas, CA, USA
"For visionary engineering leadership in the development of digital television for broadcast, cable and satellite applications."
- 1997 – RAY M. DOLBY
Dolby Laboratories, Inc.
San Francisco, CA, USA
"For outstanding contributions to the development of audio noise reduction and surround sound systems."
- 1996 – KEES A. SCHOUHAMER IMMINK
Philips Research Labs
Eindhoven, The Netherlands
"For pioneering contributions to consumer digital audio and video recording products."
- 1995 – IRVING S. REED
University of California,
Los Angeles, CA, USA
AND
GUSTAVE SOLOMON
Private Consultant and Lecturer
Los Angeles, CA, USA
"For contributions to basic error correcting codes, specifically the Reed-Solomon Codes, which have led to the compaction of data and made possible a generation of consumer compact optical disk products."
- 1994 – CARL G. EILERS
Zenith Electronics Corporation
Glenview, IL, USA
"For pioneering contributions to FM stereophonic and television multichannel sound broadcasting systems."
- 1993 – GEORGE L. BRANTINGHAM
Texas Instruments,
Avezanno, Italy
AND
PAUL S. BREEDLOVE
CompuAdd,
Austin, TX, USA
AND
RICHARD H. WIGGINS
Texas Instruments,
Dallas, TX, USA
"For pioneering contributions to consumer electronics products employing synthetic speech for education and entertainment."
- 1992 – ISAMU WASHIZUKA
Sharp Corp.
Nara, Japan
"For demonstrating technical feasibility of large size color LCD displays suitable for consumer TV applications."

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1991 – GILBERT F. AMELIO
Rockwell Commun. Systems
Richardson, TX, USA

"For contributions to the development of charge-coupled device image sensors, leading to their near universal use in consumer video cameras."

1990 – NORMAN L. STAUFFER
Honeywell
Littleton, CO, USA

"For basic inventions leading to the development of the auto focus camera."

1989 – HEITARO NAKAJIMA
SONY Corp.
Tokyo, Japan

"For technical innovation and leadership in the development of the digital audio compact disk system and the achievement of international cooperation in both the development and introduction of this system."

AND

JOHANNES PETRUS SIJOU
Philips International
The Netherlands