

IEEE PHOTONICS AWARD
RECIPIENTS

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| 2024 – KIM ROBERTS
Vice President of Wavelogic
Science, Ciena Corporation, Ottawa,
Ontario, Canada | “For leadership in the introduction and development of digital coherent signal processing for optical fiber transmission systems.” |
| 2023 – ROEL BAETS
Professor, Department of
Information Technology, Ghent
University - IMEC, Gent, Belgium | “For pioneering research in integrated photonics, including silicon, silicon-nitride, III-V devices, and their heterogeneous integration.” |
| 2022 – RODNEY S. TUCKER
Laureate Emeritus Professor,
The University of Melbourne,
Victoria, Australia | “For contributions to photonic device modelling and bridging the gap between device and system-level performance, including energy consumption.” |
| 2021 – JACK JEWELL
Self-employed, Consultant,
Boulder, Colorado, USA | “For seminal and sustained contributions to the development and commercialization of vertical-cavity surface-emitting lasers (VCSEL).” |
| 2020 – CHRISTOPHER R. DOERR
AVP Advanced Development,
Acacia Communication
Holmdel, New Jersey,
USA | “For sustained pioneering research, development, and commercialization of photonic integrated circuits and devices for telecommunications.” |
| 2019 – MICHAL LIPSON
Eugene Higgins Professor Electrical
Engineering, Columbia University,
New York, New York, USA | “For pioneering contributions to silicon photonics.” |
| 2018 – URSULA KELLER
Professor, Physics Department,
Institute for Quantum Electronics,
Zurich, Switzerland | “For seminal contributions to ultrafast laser technology enabling important industrial applications and novel scientific breakthroughs.” |
| 2017 – JOHN BOWERS
Kavli Professor of Nanotechnology,
University of Santa Barbara,
California, USA | “For pioneering research in silicon photonics, including hybrid silicon lasers, photonic integrated circuits, and ultra-low-loss waveguides.” |
| 2016 – MARK E. THOMPSON
Professor, Department of
Chemistry, University of Southern
California, Los Angeles, CA, USA | “For scientific and technical leadership in the conception, demonstration, and development of phosphorescent materials in organic light-emitting diode (OLED) displays.” |

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- 2015 – PHILIP ST. JOHN RUSSELL
Professor, Max Planck Institute for
the Science of Light, Erlangen,
Germany
"For pioneering contributions to the
conception and realization of photonic
crystal fibers."
- 2014 – JAMES G. FUJIMOTO
Elihu Thomson Professor of Electrical
Engineering, Massachusetts Institute
of Technology, Cambridge,
Massachusetts, USA
"For pioneering the development and
commercialization of optical coherence
tomography for medical diagnostics."
- 2013 – PETER F. MOULTON
Vice-President, CTO, Q-Peak, Inc.,
Bedford, MA, USA
"For the discovery of the Ti:Sapphire laser
and the development of many novel solid-
state laser systems and applications."
- 2012 – ELI YABLONOVITCH
Professor, Electrical Engineering &
Computer Sciences Department,
University of California Berkeley,
Berkeley, CA, USA
"For pioneering contributions to photonic
crystals, the photonic bandgap and
photonic bandgap engineering."
- 2011 – AMNON YARIV
Martin and Eileen Summerfield
Professor of Applied Physics and
Electrical Engineering
California Institute of Technology
Pasadena, CA, USA
"For fundamental contributions to
photonics science, engineering and
education that have broadly impacted
quantum electronics and lightwave
communications."
- 2010 – IVAN P. KAMINOW
Adjunct Professor
Univ of California, Berkeley
Berkeley, CA, USA
"For seminal contributions to electro-optic
modulation, integrated optics, and
semiconductor lasers, and leadership in
optical telecommunications."
- 2009 – ROBERT L. BYER
Professor, Dept of Applied Physics,
Stanford University,
Stanford, CA, USA
"For seminal contributions to nonlinear
optics and solid-state lasers for commercial
applications from precision measurement
to manufacturing."
- 2008 – JOSEPH C. CAMPBELL
Department of Electrical and
Computer Engineering, University of
Virginia, VA, USA
"For seminal and sustained contributions to
the development of high-speed, low-noise
long wavelength avalanche photodiodes"
- 2007 – DAVID NEIL PAYNE
Professor, Southampton
Optoelectronics Research Center,
Highfield, Southampton, UK
"For pioneering contributions to the
development and commercialization of
optical fiber-based technologies for
communications, sensors, and high power

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- applications.”
- 2006 – FREDERICK J. LEONBERGER
Retired, Senior Vice President and
Chief Technology Officer, JDS
Uniphase Corporation,
Bloomfield, CT, USA
- “For technical leadership,
commercialization and practical
deployment of photonic component
technologies for optical communications.”
- 2005 – ROD C. ALFERNES
Optical Networking Research Senior
VP Bell Laboratories/Lucent
Technologies
Holmdel, NJ, USA
- “For seminal contributions to enabling
photonics technologies and for visionary
leadership in their application to networks
and systems”.
- 2004 – TINGYE LI
Retired/Division Manager
Communications Infrastructure
Communications
Boulder, CO, USA
- “For leadership, vision and pioneering
contributions in the fields of optical fiber
communications and laser science.”