IEEE PHOTONICS AWARD
RECIPIENTS

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.”
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, Highfiled, 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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RECIPIENTS

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
photonic 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.”