

IEEE PHOTONICS AWARD
RECIPIENTS

- 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
“For fundamental contributions to
photonics science, engineering and
education that have broadly impacted
quantum electronics and lightwave

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| California Institute of Technology
Pasadena, CA, USA | 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 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.” |