

**IEEE PHOTONICS AWARD**  
**RECIPIENTS**

- 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."

**IEEE PHOTONICS AWARD**  
**RECIPIENTS**

- 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 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. ALFERNESS  
Optical Networking Research Senior  
VP Bell Laboratories/Lucent  
"For seminal contributions to enabling photonics technologies and for visionary leadership in their application to networks"

**IEEE PHOTONICS AWARD**  
**RECIPIENTS**

Technologies  
Holmdel, NJ, USA

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."