

**IEEE JUN-ICHI NISHIZAWA MEDAL**  
**RECIPIENTS**

2018    JOE C. CAMPBELL                      "For contributions to the development of  
Professor, University of Virginia,       high-speed, low-noise, long-wavelength  
Department of Electrical and            avalanche photodiodes."  
Computer Engineering,  
Charlottesville, Virginia, USA

2017    CHING W. TANG                              "For their pioneering work on organic  
Professor, Hong Kong University        devices, leading to organic light-emitting  
of Science and Technology,              diode displays."  
Kowloon, Hong Kong;  
Professor, University of  
Rochester, Rochester, NY, USA

AND

STEPHEN R. FORREST  
Professor, University of Michigan,  
Ann Arbor, Michigan, USA

AND

MARK THOMPSON  
Professor, University of Southern  
California, Los Angeles,  
California, USA

2016    MASAYOSHI ESASHI                        "For pioneering contributions to micro-  
Professor, Tohoku University,            electro-mechanical systems (MEMS), and  
Sendai, Miyagi, Japan                      their uses in automobiles, cellular phones,  
industrial equipment, and medical  
devices."

2015    DIMITRI ANTONIADIS                       "For contributions to metal oxide  
Professor, Department of                  semiconductor field-effect transistor  
Electrical Engineering and                physics, technology, and modeling."  
Computer Science,  
Massachusetts Institute of  
Technology, Cambridge,  
Massachusetts, USA

2014    FRANZ LAERMER                              "For inventing and developing the Bosch  
Vice President, Robert Bosch            deep reactive ion etching process that has  
Corporate Research and                    impacted the micro-electro-mechanical  
Advanced Development,                    systems (MEMS) field."  
Stuttgart, Germany

AND     ANDREA URBAN

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Senior Expert, Robert Bosch  
GmbH, Reutlingen, Germany

- 2013 BURN J. LIN "For contributions to lithographic manufacturing, including immersion lithography."  
Vice President of Research and Development and Distinguished Fellow, TSMC, Ltd., Hsinchu, Taiwan
- 2012 MARK T. BOHR "For sustained leadership in developing innovative transistor technologies for advanced logic products."  
Intel Senior Fellow and Director of Process Architecture and Integration, Intel Corp., Hillsboro, OR, USA
- AND ROBERT S. CHAU  
Intel Senior Fellow and Director of Transistor Research and Nanotechnology, Intel Corp., Hillsboro, OR, USA
- AND TAHIR GHANI  
Intel Fellow and Director of Transistor Research and Integration, Intel Corp., Hillsboro, OR, USA
- 2011 BERNARD LECHNER "For pioneering contributions to thin-film-transistor (TFT) liquid-crystal displays."  
Princeton, NJ, USA
- AND PETER BRODY  
Chief Executive Office, Advantech; Pittsburgh, PA, USA
- AND FANG-CHEN LUO  
Chief Technology Officer, Vice President, AU Optronics Corp.; Hsinchu, Taiwan
- 2010 RICHARD M. SWANSON "For the conception and commercialization of high-efficiency point-contact crystalline-silicon solar cell technology."  
President and Chief Technical Officer, SunPower Corporation, San Jose, CA, USA
- 2009 CHENMING HU "For technical contributions to MOS device reliability, scaling of CMOS and compact device modeling."  
TSMC Distinguished Professor  
Univ of California,  
Berkeley, CA, USA

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- 2008 WOLFGANG HELFRICH "For pioneering development of twisted-nematic liquid crystal technology."  
Professor, Institut für  
Theoretische Physik, Freie  
University, Berlin, Germany
- AND MARTIN SCHADT  
MS High-Tech Consulting,  
Managing Director, Seltisberg,  
Switzerland;
- AND JAMES FERGASON  
Ferguson Patent Properties LLC,  
Founder and Member, Menlo  
Park, CA, USA
- 2007 NICOLAAS FRANS De ROOIJ "For pioneering contributions to  
Prof. and Director Inst. of microsystem technology and effective  
Microtech., University of transfer into industrial products and  
Neuchatel, Neuchatel Switzerland applications."
- 2006 MITSUMASA KOYANGI "For pioneering contributions to dynamic  
Prof., Dept of Bioengineering and random access memory (DRAM) cell  
Robotics, Tohoku University, structures and architecture."  
Sendai, Japan
- AND KIYOO ITOH  
Fellow, Hitachi, Ltd., Tokyo,  
Japan
- AND HIDEO SUNAMI  
Prof., Research Center for  
Nanodevices and Systems,  
Hiroshima University, Hiroshima,  
Japan
- 2005 JERRY M. WOODALL "For pioneering contributions to the liquid-  
C. Baldwin Sawyer Professor of phase epitaxy in the GaAs/AlGaAs  
Electrical Engineering, Yale systems, including applications to photonic  
University, New Haven, CT, USA and electronic devices."
- 2004 FREDERICK H. DILL "For lifetime contributions to  
Distinguished Engineer microelectronics processing, including  
Hitachi Global Storage lithographic stimulation, semiconductor  
Technologies lasers and magnetic recording."  
San Jose, CA, USA