IEEE JUN-ICHI NISHIZAWA MEDAL
RECIPIENTS

2019 YASUHIKO ARAKAWA
Professor, University of Tokyo,
Institute of Industrial Science,
Tokyo, Japan
AND
PALLAB BHATTACHARYA
Professor, University of Michigan
and Charles M. Vest
Distinguished University
Professor and James R. Mellor
Professor of Engineering, Ann
Arbor, Michigan, USA
AND
DIETER BIMBERG
Professor, Technical University,
Berlin, Germany

“For contributions to the development and
commercialization of quantum dot lasers.”

2018 JOE C. CAMPBELL
Professor, University of Virginia,
Department of Electrical and
Computer Engineering,
Charlottesville, Virginia, USA

“For contributions to the development of
high-speed, low-noise, long-wavelength
avalanche photodiodes.”

2017 CHING W. TANG
Professor, Hong Kong University
of Science and Technology,
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

“For their pioneering work on organic
devices, leading to organic light-emitting
diode displays.”
<table>
<thead>
<tr>
<th>Year</th>
<th>Name 1</th>
<th>Name 2</th>
<th>Organization 1</th>
<th>Organization 2</th>
<th>Organization 3</th>
<th>Text</th>
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<tbody>
<tr>
<td>2016</td>
<td>MASAYOSHI ESASHI</td>
<td>Professor, Tohoku University, Sendai, Miyagi, Japan</td>
<td></td>
<td></td>
<td></td>
<td>“For pioneering contributions to micro-electro-mechanical systems (MEMS), and their uses in automobiles, cellular phones, industrial equipment, and medical devices.”</td>
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<td>2015</td>
<td>DIMITRI ANTONIADIS</td>
<td>Professor, Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA</td>
<td></td>
<td></td>
<td></td>
<td>“For contributions to metal oxide semiconductor field-effect transistor physics, technology, and modeling.”</td>
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<td>2014</td>
<td>FRANZ LAERMER</td>
<td>Vice President, Robert Bosch Corporate Research and Advanced Development, Stuttgart, Germany</td>
<td>AND</td>
<td>ANDREA URBAN</td>
<td>Senior Expert, Robert Bosch GmbH, Reutlingen, Germany</td>
<td>“For inventing and developing the Bosch deep reactive ion etching process that has impacted the micro-electro-mechanical systems (MEMS) field.”</td>
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<td>2013</td>
<td>BURN J. LIN</td>
<td>Vice President of Research and Development and Distinguished Fellow, TSMC, Ltd., Hsinchu, Taiwan</td>
<td></td>
<td></td>
<td></td>
<td>“For contributions to lithographic manufacturing, including immersion lithography.”</td>
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<tr>
<td>2012</td>
<td>MARK T. BOHR</td>
<td>Intel Senior Fellow and Director of Process Architecture and Integration, Intel Corp., Hillsboro, OR, USA</td>
<td>AND</td>
<td>ROBERT S. CHAU</td>
<td>Intel Senior Fellow and Director of Transistor Research and Nanotechnology, Intel Corp., Hillsboro, OR, USA</td>
<td>AND</td>
</tr>
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RECIPIENTS

2011  BERNARD LECHNER
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
“For pioneering contributions to thin-film-transistor (TFT) liquid-crystal displays.”

2010  RICHARD M. SWANSON
President and Chief Technical Officer, SunPower Corporation,
San Jose, CA, USA
“For the conception and commercialization of high-efficiency point-contact crystalline-silicon solar cell technology.”

2009  CHENMING HU
TSMC Distinguished Professor
Univ of California,
Berkeley, CA, USA
"For technical contributions to MOS device reliability, scaling of CMOS and compact device modeling."

2008  WOLFGANG HELFRICH
Professor, Institut fur TheTheoretische Physik, Freie University, Berlin, Germany
"For pioneering development of twisted-nematic liquid crystal technology."

AND  MARTIN SCHADT
MS High-Tech Consulting,
Managing Director, Seltisberg, Switzerland;

AND  JAMES FERGASON
Fergason Patent Properties LLC,
Founder and Member, Menlo Park, CA, USA

2007  NICOLAAS FRANS De ROOIJ
Prof. and Director Inst. of Microtech., University of Neuchatel, Neuchatel Switzerland
"For pioneering contributions to microsystem technology and effective transfer into industrial products and applications."

2006  MITSUMASA KOYANGI
Prof., Dept of Bioengineering and Robotics, Tohoku University,
Sendai, Japan
"For pioneering contributions to dynamic random access memory (DRAM) cell structures and architecture.”

AND  KIYOO ITOH
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Fellow, Hitachi, Ltd., Tokyo, Japan

AND

HIDEO SUNAMI
Prof., Research Center for Nanodevices and Systems, Hiroshima University, Hiroshima, Japan

2005 JERRY M. WOODALL
C. Baldwin Sawyer Professor of Electrical Engineering, Yale University, New Haven, CT, USA

"For pioneering contributions to the liquid-phase epitaxy in the GaAs/AIGaAs systems, including applications to photonic and electronic devices."

2004 FREDERICK H. DILL
Distinguished Engineer Hitachi Global Storage Technologies
San Jose, CA, USA

"For lifetime contributions to microelectronics processing, including lithographic stimulation, semiconductor lasers and magnetic recording."