

**IEEE ROBOTICS AND AUTOMATION AWARD**  
**RECIPIENTS**

- 2019 – ZEXIANG LI  
Professor, Department of Electrical and Electronic Engineering, Hong Kong University of Science and Technology, Clearwater Bay, Hong Kong, China
- “For contributions to the development and commercialization of civilian drones, aerial imaging technology, robotics engineering advancement, innovation, and entrepreneurship.”
- AND
- TAO WANG  
Chief Executive Officer, DJI Technology Co., Shenzhen, China
- 2018 - MATTHEW T. MASON  
Professor, The Robotics Institute, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA
- “For scientific and educational contributions to the mechanics of manipulation enabling real-world robot autonomy, and for leadership in robotics.”
- 2017 - OUSSAMA KHATIB  
Professor, Department of Computer Science, Stanford University, California, USA
- “For contributions to the development of robot control and human-centered and humanoid robotics, and leadership in the robotics community.”
- 2016 – RAFFAELLO D’ANDREA  
Professor, ETH Zurich, Zurich, Switzerland
- “For pioneering contributions to design and implementation of distributed cooperative robotics and automation systems for commercial applications.”
- 2015 - RODNEY ALLEN BROOKS  
Chairman and Chief Technology Officer, Rethink Robotics, and Fujitsu Professor Emeritus, Massachusetts Institute of Technology, Boston, Massachusetts, USA
- “For pioneering contributions to and leadership in research and commercialization of autonomous robotics, spanning mobile, humanoid, service, and manufacturing robotics.”
- 2014 - SHIGEO HIROSE  
CTO, HiBot Corporation, Tokyo, Japan
- “For contributions to the design and construction of multiple nonconventional robotic systems such as snakelike, quadruped walking, wall climbing, and swarm robots.”
- 2013 - RUZENA BAJCSY  
Professor, Department of Electrical Engineering and Computer Sciences, University of California, Berkeley, CA, USA
- “For contributions to computer vision, the active perception paradigm, and medical robotics.”

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- 2012 - BERNARD ROTH  
Professor, Stanford University,  
Stanford, CA, USA  
"For fundamental contributions to robot kinematics, manipulation and design."
- 2011 – HIROCHIKA INOUE  
Professor, University of Tokyo  
Tokyo, Japan  
"For original and continuous contributions to research in intelligent robotics, in particular to real-time vision and humanoid robotics."
- 2010 – TOSHIO FUKUDA  
Professor, Nagoya University  
Nagoya, Japan  
"For leadership and pioneering contributions to Intelligent Robotic Systems and Micro and Nano Robotic Systems."
- 2009 – ANTAL BEJCZY  
Senior Research Scientist (Retired)  
Jet Propulsion Laboratory (JPL)  
California Institute of Technology  
Pasadena, CA, USA  
"For leadership and sustained contributions to a broad set of innovative robotic and automation techniques applicable to space research and on earth."
- 2008 - PAUL G. BACKES  
Supervisor, Mobility and  
Manipulation Group, and JPL  
Principal Technical Staff Member,  
Pasadena, CA, USA  
"For contributions to robotics enabling effective autonomous operations of science investigations under extreme conditions on the planet Mars."
- AND  
ERIC T. BAUMGARTNER  
Dean, College of Engineering, Ohio  
Northern University,  
Ada, OH, USA
- AND  
LARRY H. MATTHIES  
Supervisor, Machine Vision Group,  
and JPL Senior Research Scientist,  
Pasadena, CA, USA
- 2007 – GERD HIRZINGER  
Institute of Robotics and  
Mechantronics DLR Oberpfaffenhofer  
Wessling, Germany  
"For contributions in robot mechatronics, telerobotics, man-machine interface research, and space robotics."
- 2006 - GEORGE A. BEKEY  
Prof Emeritus of Computer Science  
Electrical Engineering and Biomedical  
Engineering Department  
University of Southern California  
"For contributions to research and education in biologically inspired and intelligent robots."

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Los Angeles, CA, USA

2005 – SEIUEMON INABA  
Honorary Chairman  
FANUC, Ltd.  
Yamanashi Prefecture, Japan

"For long-standing leadership and technical contributions to the development of Numerical Control machines, industrial robots, and flexible factory automation."

2004 – JOSEPH F. ENGELBERGER  
Retired  
Newtown, CT, USA

"For a lifetime of achievement in establishing and advancing the field of robotics and automation worldwide."