

IEEE ROBOTICS AND AUTOMATION AWARD
RECIPIENTS

2022 – WOLFRAM BURGARD
Professor, University of Freiburg,
Baden, Wurttemberg, Germany “For contributions to the fundamentals and applications of robot navigation and perception.”

2021 – TOMAS LOZANO-PEREZ
Professor of Electrical Engineering
and Computer Science,
Massachusetts Institute of
Technology, Cambridge,
Massachusetts, USA “For foundational contributions to robot motion planning and visionary leadership of the field.”

AND

JEAN-CLAUDE LATOMBE
Kumagai Professor Emeritus, School
of Engineering, Computer Science
Department, Stanford University,
Stanford, California, USA

2020 – VIJAY KUMAR
Nemirovsky Family
Dean, School of Engineering and
Applied Science, University of
Pennsylvania, Philadelphia,
Pennsylvania, USA “For contributions to cooperative robotics; networked mobile manipulation systems, particularly unmanned aerial vehicles; and leadership in robotics research, policy, and education.”

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

FRANK WANG
Founder and Chief Executive Officer,
SZ DJI Technology Co., Ltd.,
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 “For contributions to the development of robot control and human-centered and

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| Science, Stanford University,
California, USA | 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." |
| 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 | "For contributions to robotics enabling |

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Supervisor, Mobility and Manipulation Group, and JPL Principal Technical Staff Member, Pasadena, CA, USA

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 Los Angeles, CA, USA

"For contributions to research and education in biologically inspired and intelligent robots."

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."