

List of Past Laureates of Honda Prize

Year	Name	Title At That Time	Reason of Receiving the Award	Realization of Ecotechnology
1980	Dr. Gunnar Hambræus (Sweden)	Chairman, Royal Swedish Academy of Engineering Sciences	Awarded for his leadership in the promotion of interactions among engineering societies across continents as the head of Royal Swedish Academy of Engineering Sciences.	Paradigm Shift
1981	Dr. Harold Chestnut (U.S.A.)	SWISS Foundation, Inc	Awarded for his achievements of the promotion of humanitarian use of technology as a leader in systems engineering for electrical instrumentation and automatic control.	Paradigm Shift
1982	Dr. John F. Coales (U.K.)	Professor Emeritus, University of Cambridge	Awarded for his achievements associated with the theorization of automatic control technology and its technological transfer to developing countries.	Paradigm Shift
1983	Dr. Ilya Prigogine (Belgium)	Professor, Free University of Brussels	Awarded for his contributions to international fight against environment issues by applying his unique Dissipative Structure Theory primarily constructed in chemistry and physics.	Paradigm Shift
1984	Dr. Umberto Colombo (Italy)	Chairman, The Italian National Commission for Nuclear and Alternative Energy Sources	Awarded for his vision and policy recommendations with regard to braking wasteful use of food, energy, and natural resources by developing sustainable technologies to secure them.	Sustainability
1985	Dr. Carl E. Sagan (U.S.A.)	Professor, Cornell University	Awarded for his contributions with the introduction of novel perception of civilization by viewing the earth from a cosmic perspective, featuring the Nuclear Winter in caveat.	Sustainability
1986	Dr. Junichi Nishizawa (Japan)	Professor, Tohoku University	Awarded for his achievements in the invention of pin diode and static induction transistor; and for his pioneering efforts in the application of optical communications technology.	Innovation
1987	Dr. Jean Dausset (France)	Professor, Collge de France	Awarded for his discovery of the major histocompatibility that opened a new way for organ transplantation complex. His longstanding educational roles are also substantial.	Life Frontier
1988	Dr. Paolo Maria Fasella (Italy)	Professor, Commission of the European Communities	Awarded for his expertise in medicine and biology with vigorously engaged in the promotion of joint efforts in technology toward a more harmonious development of human civilization.	Life Frontier
1989	Dr. Lotfi Asker Zadeh (U.S.A.)	Professor, University of California, Berkeley	Awarded for his construction of the Fuzzy Theory. He made the future of information society a more humane civilization through a broad range of applications in he advocated.	Innovation
1990	Dr. Frei Otto (Germany)	Professor, University of Stuttgart	Awarded for his conceptualization and embodiment of lightweight architectural designs with membrane structures to make the human environment more harmonious with nature.	Sustainability
1991	Dr. Monkombu S. Swaminathan (India)	President, International Society for Mangrove Ecosystems	Awarded for his leading role in the Green Revolution movement, saved the Indian subcontinent from a serious food crisis for environment protection.	Life Frontier
1992	Dr. Hermann Haken (Germany)	Professor, University of Stuttgart	Awarded for his initiation of Synergetics. He suggested this discipline could be one of basic principles to achieve equilibrium between ecosystem and human civilization.	Paradigm Shift
1993	Dr. Koki Horikoshi (Japan)	Professor, Toyo University	Awarded for his lifelong work on Alkaliphilic Micro-organisms, based on which he developed clean industrial technologies such as decontamination of polluted seawater.	Life Frontier
1994	Dr. Benoit B. Mandelbrot (France)	Professor, Yale University	Awarded for his lifelong work on the Fractal Geometry. Its implications resulted in many forms of fusion between natural science and other areas such as social science and fine art.	Paradigm Shift
1995	Dr. Ake E. Andersson (Sweden)	Managing Director, Swedish Institute for Futures Studies	Awarded for his vision of C-Society(Creativity, Culture, Communication) should become key elements that help regional or local economies grow in accordance with the environment.	Paradigm Shift
1996	Dr. Bruce N. Ames (U.S.A.)	Professor, University of California, Berkeley	Awarded for his development of the Ames test and associated efforts to legislate it. The test is widely used to detect carcinogens as mutagens in the Salmonella/microsome test.	Life Frontier
1997	Dr. Gunter E. Petzow (Germany)	Director emeritus, the Max-Planck-Institute for Metals Research/Hon. Professor, University of Stuttgart	Awarded for his expertise in particle technology and powder metallurgy technique, which led to commercialized fineceramic materials for use such as high-temperature turbine blade.	Innovation
1998	Dr. Hubert Curien (France)	Professor of University Pierre et Marie Curie, Paris 6	Awarded for his leadership in the development of the first French earth observation satellite system, with which he improved the way to monitor and manage the earth environment.	Sustainability
1999	Dr. Aleksandra Kornhauser (Slovenia)	Professor, University of Ljubljana and Director, International Center for Chemical Studies-ICCS	Awarded for her contribution to the implementation of environment-friendly product development/manufacturing processes through the use of information system monitoring.	Sustainability
2000	Dr. Shuji Nakamura (Japan)	Professor, University of California, Santa Barbara	Awarded for his development of the first practical Blue LED, a power-saving diode with semi permanent life. That is substantially expanding LED applications in the real world.	Innovation
2001	Dr. Donald Mackay (Canada)	Professor, Trent University	Awarded for his achievements of the development of the Mackay Model, a method to measure environment pollution by predicting behaviors of chemical substances.	Sustainability
2002	Dr. Barry John Cooper (U.K.)	Vice-President of Johnson Matthey Inc. Catalytic Systems Div	Awarded for his achievements of the development of the three-way catalyst, an environment-friendly device, for exhaust gas treatment/ cleans emissions for automobiles.	Sustainability
2003	Dr. Kenichi Mori (Japan)	Adviser to the Board of Toshiba Tec Corporation	Awarded for his achievements of the development of the first Japanese word processing engine. This was applied, and adopted as a basis, later for a number of multibyte languages.	Innovation
2004	Dr. Walter C. Willett (U.S.A.)	Professor of Epidemiology and Nutrition, Harvard School of Public Health	Awarded for his achievements associated with the widely-accepted finding as a result of his efforts in large-scale cohort study that diet has the key role in chronic diseases prevention.	Life Frontier
2005	Dr. Raj Reddy (U.S.A.)	Professor of Computer Science and Robotics Carnegie Mellon University	Awarded for his pioneering role in robotics and computer science used in the future for a broad range of applications including education, medicine, healthcare, and disaster relief.	Innovation
2006	Dr. Richard R. Nelson (U.S.A.)	George Blumenthal Professor of International and Public Affairs, Business, and Law, Emeritus, Columbia University	Awarded for his achievements of the Evolutionary Theory of Economic Change viewing innovation as a key factor to impact subsequent growth or deterioration of a given industry.	Innovation
2007	Dr. Philippe Mouret (France)	M.D., General Surgery	Awarded for his performance of the first Laparoscopic Cholecystectomy, marked the beginning of rapid spread of Endoscopic Surgery and its related technologic innovations.	Life Frontier
2008	Dr. Maximilian Haider(Austria), Dr. Harald Rose(Germany) and Dr. Knut Urban(Germany)	Managing Director, CEOS GmbH, Heidelberg Research Fellow, Advanced Light Source, L. Berkeley National Lab. President and Vice-president, German Physical Society	Awarded for their development of the world's first transmission electron microscope capable of atomic-level imaging using aberration correction technology.	Innovation
2009	Dr. Ian Frazer(Australia)	Director, Diamantina Institute for Cancer, Immunology and Metabolic Medicine The University of Queensland Princess Alexandra Hospital, Australia	Awarded for the development of the world-first cervical cancer vaccines. His achievement said to be the first case of a cancer being prevented through human intervention.	Life Frontier
2010	Dr. Antonio Damasio(U.S.A. / Portugal)	David Dornsife Professor of Neuroscience Director, Brain and Creativity Institute University of Southern California	Awarded for his contributions in the world of neuroscience by focusing emotions and feelings in human behavior, including consciousness and decision-making with his influential Somatic Marker Hypothesis.	Life Frontier
2011	Dr. Gabor A. Somorjai (U.S.A.)	Professor of Chemistry, the University of California, Berkeley, U.S.A.	Awarded for his innovative achievement in catalysis of surface science, materials, physics and engineering, which contributed to the development of "Green Chemistry"	Sustainability
2012	Dr. Denis Le Bihan (France)	Director of NeuroSpin, CEA Saclay, France	Awarded for development of theorization of water diffusion measurement by MRI and its application in clinical practice. It spared many patients suffering acute stroke and other neurological disorders.	Life Frontier
2013	Dr. J. Tinsley Oden (U.S.A.)	Director of the Institute for Computational Engineering and Sciences (ICES) at The University of Texas at Austin	Awarded for his contribution to establishment and development of "Computational Mechanics," a new discipline which has enabled the development of computer simulation technology used across industry and research today.	Innovation
2014	Dr. Helmut Clemens (Austria)	Head of the Department of Physical Metallurgy and Materials Testing at the Montanuniversität Leoben	Awarded for his outstanding contributions and eminent achievements in the development of light-weight structural intermetallic titanium aluminides, so-called γ -TiAl based alloys which are presently seen as key structural materials for high-temperature application in advanced jet and automotive engines of the next generation.	Innovation
2015	Dr. Russell H. Taylor (U.S.A.)	John C. Malone Professor at Johns Hopkins University	Awarded for his contributions in the development of surgical medical robots and systems and technological evolution in the field. He is one of the pioneers who established the field of robot research in the 1970's and has become widely known as the "father of medical robotics."	Life Frontier
2016	Dr. Akira Isogai (Japan) Dr. Hiroyuki Yano (Japan)	Professor of the Graduate School of Agricultural and Life Sciences at The University of Tokyo Professor of the Research Institute for Sustainable Humanosphere at Kyoto University	Awarded for their outstanding contributions to the development of high-efficiency production methods of Cellulose Nanofiber (CNF), its application to products, and the enhancement of its potential for further utilization.	Innovation
2017	Dr. Hiroyuki Matsunami (Japan)	Professor Emeritus of Kyoto University	Awarded for his tremendous contributions to pioneering research on "silicon carbide (SiC) power devices" and its practical applications.	Sustainability
2018	Dr. Fujio Masuoka (Japan)	Professor Emeritus of Tohoku University	Awarded for his invention of the world's first flash memory technology, enabling large capacity non-volatile semiconductor memories.	Innovation
2019	Dr. Geoffrey Hinton (Canada)	Professor Emeritus of Toronto University, Chief Scientific Advisor of Vector Institute	Awarded for his pioneering research in the field of deep learning in artificial intelligence and his contribution to practical application of the technology.	Paradigm Shift
2020	Dr. Henning Kagermann (Germany)	Chair of the Board of Trustees, acatech – National Academy of Science and Engineering, Germany	Awarded for pioneering the principles of Fourth Industrial Revolution (Industrie 4.0) and made a significant impact on the world.	Paradigm Shift
2021	Dr. Alim Louis Benabid (France)	Professor Emeritus of Joseph Fourier University and Chairman of the Board of Clinatec, Edmond J. Safra Biomedical Research Center,	Awarded for his contribution to pioneering research and practical application of deep brain stimulation (DBS) to the treatment of involuntary movement caused by progressive Parkinson's disease.	Life Frontier