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Masaru Hori received the B.E. and the M. Tech degrees in the Department of Electric Engineering from Waseda University, Japan, in 1981 and 1983, respectively and Ph. D. degree in the Department of Electric Engineering from Nagoya University, Japan, in 1986. In 1986, he joined Toshiba Corporation. Since 1992, he has been with the Graduate School of Engineering, Nagoya University. He became a Research Associate in 1992, an Assistant Professor in 1994, an Associate Professor in 1996, a Researcher, Cavendish Laboratory, University of Cambridge, UK in 1997, and a Professor in 2004. He was a director of Plasma Nanotechnology Research Centre, Nagoya University in 2009, a director of Plasma Medical Science Global Innovation Centre, Nagoya University in 2013 and a director of Centre for Low-temperature Plasma Sciences, Nagoya University in 2019. Since his novel invention of the plasma etching mask employing carbon films in ULSIs manufacturing in 1992, he has been accomplishing many inventions including the atomic radical monitor with VUV absorption spectroscopy, Carbon Nanowalls, the autonomous controlled manufacturing equipment, the ultrahigh density low-temperature atmospheric pressure plasma equipment, the plasma activated medium for cancer therapy and so on. He had 124 registered patents, 357 application patents, 546 scientific papers and 3,019 presentations including 1,802 talks in international conferences. His current research interests include plasma electronics, plasma process science in materials, devices, plasma life sciences to medicine and agriculture. He is a Fellow of The Japan Society of Applied Physics. He was the recipient of Prize for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Japan in 2011, Prize for Industry-Government-Academia cooperation person of merit, Science and Technology Minister Policy Award, Japan, in 2011, the 14th Plasma Material Science Award by Japan Society for the Promotion of Science in 2012, Plasma Medicine Award in 2018, KT-Rie Award in 2019 and other 18 awards.