

**Personal Information**

Full name	Masaru HORI
Current position	Professor, Director
Organization	Nagoya University
Country	Japan

**Short Biography**

“Masaru Hori”, Ph.D. has been a professor at Nagoya University, Japan since 2004. He was a director of Plasma Nanotechnology Research Centre, Nagoya University in 2009. He has a director of Plasma Medical Science Global Innovation Centre, Nagoya University in Japan since 2013 and co-director of NU-SKKU Joint Institute of Advanced Plasma Nanomaterials in Korea since 2011. Prior to joining Nagoya University, he was a researcher for Toshiba Corporation, Japan. During his 6 years at Toshiba Company, he spent time doing the development of plasma etching processes. He received a M. Tech degree in the semiconductor field from Waseda University, Tokyo, Japan and a Ph. D. degree in the plasma field from Nagoya University, Nagoya, Japan. Now, he is a professor for Institute of Innovation for Future Society at Nagoya University, Japan.

His research has been focusing on the plasma diagnostics of the gas phase, surfaces and subsurfaces on materials since 1983. Especially, he is interested in plasma-induced fundamental reactions. His work has involved plasma nano-processes of etching and deposition in ULSI, Si thin film solar cells, GaN power devices and Nanocarbon devices. Recently, he is promoting the Plasma Life Sciences of Plasma Medicine and Agriculture fields. He is a leader of Grant-in-Aid for Scientific Research on Innovative Area, “Plasma Medical Science Innovation”, MEXT, in Japan.

He has published about 435 papers in International Scientific Journals and 29 book chapters, and co-edited 1 book of “Carbon Nanowall”.

He has presented over 200 invited talks and over 1150 talks in international conferences. He is currently a Member of Science Council of Japan and is a Fellow of The Japan Society of Applied Physics.