

**Prof. HAJIME SAKAKITA**

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Dr. Hajime SAKAKITA received his Doctorate at Department of Aerospace Engineering, Graduate school of Engineering, Nagoya University, Japan in 1996. He worked at Electrotechnical Laboratory (ETL), Tsukuba, Japan in 1996 to 2000 as a Research Scientist, which was restructured to National Institute of Advanced Industrial Science and Technology (AIST) in 2001. He joined Department of Physics, University of Wisconsin (UW), Madison, USA in 2000-2001 as a visiting scientist, and worked at AIST in 2001 to 2011 as a Senior Research Scientist, and was working as a Group Leader of Innovative Plasma Technologies Group, Energy Technology Research Institute, AIST from 2011-2015. Now, he is working as a Group Leader in Innovative Plasma Processing Group, Electronics and Photonics Research Institute at AIST from 2015. He also joins Department of Engineering Mechanics and Energy, Cooperative Graduate School of Systems and Information Engineering, University of Tsukuba from 2010 as an Associate Professor. Moreover, he joins Cooperative Graduate School of Medicine, Chiba University from 2017 as a Professor.

In these twenty years, he studied on plasma confinement experiments (Tokamak experiments in National Institute for Fusion Science (NIFS), Nagoya, Japan, and Reversed Field Pinch experiments in ETL, UW and AIST) and diagnostic system for high temperature plasmas of nuclear fusion. Also, he has developed extreme high-current-density ion beam system using the concave electrode in both low and high beam energy regions for the nuclear fusion and material production. In recent over ten years, he is studying on plasma applications such as material productions, and especially on medical researches. Now, he is a Convener of International Electrotechnical Commission (IEC), TC 62 (electrical equipment in medical practice)/SC 62D (electromedical equipment)/MT 34 (low energy ionized gas haemostasis equipment).