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**Dr. Akatsuka** received B.E. and M.E. degrees from Kyoto University, Japan, both in Engineering, in 1985 and 1987. He joined NEC Corporation 1987-1991, where he engaged in development of satellite-mounted digital communication equipment and laser measurement equipment for basic science. In 1991, he became a Research Associate of Tokyo Institute of Technology in Research Laboratory for Nuclear Reactors. He directed his research to spectroscopic measurement of various plasmas, and received Ph.D from Tokyo Tech in 1995. He has been an Associate Professor with the Institute of Innovative Research, Tokyo Institute of Technology. His current research interests include atomic and molecular processes in plasmas, plasma diagnostics by spectroscopic methods, and cold atmospheric-pressure plasmas for medical/dental applications.

Dr. Akatsuka is a member of IEEE, the Institute of Electrical Engineers of Japan, the Japan Society of Applied Physics, the Physical Society of Japan, and the Japan Society of Plasma Science and Nuclear Fusion Research.