



Personal Information

Full name	Koichi TAKAKI
Current position	Professor
Organization	Iwate University
Country	Japan



Short Biography

Koichi Takaki, Professor of Iwate University, Japan. He received the Dr. Eng. degrees for his study on high-voltage and electrical discharge characteristics in 1995 from Kumamoto University, Japan. From 1989 to 1995 he was an Associate researcher and lecturer at Oita National College of Technology. During this time, he clarified the characteristics of glow discharge in the gas flow such as rotational- and vibrational temperatures. He also developed a water jet machine to trigger the winter lightning and carried out the triggering lightning at Hokuriku sea coast area. He joined the Faculty of Engineering, Iwate University, Morioka, Japan and received a full professorship in October 2011. During 2000-2001, he was with McMaster University, Hamilton, ONT, Canada, as a Visiting Scientist. His main research interests include pulsed power technologies such as plasma generation based on solid materials, environmental and agricultural applications. Typically, he has experienced studies of pulsed-ion technology such as high-power magnetron sputtering, exhaust gas processing in atmospheric pressure such as decomposition, water remediation by discharge under water, high-voltage stimulation on mushroom for improvement of harvest yield. He is co-authors of 15 books (International: 3 and domestic in Japan: 12 of which two books are appeared in an editor in chief) and 176 papers are published in journals (International: 107 and domestic in Japan: 69). Prof. Takaki's favorite thing is mountain climbing and has experiences of the top of Mt. Mont Blanc and trekking to the base-camp of Mt. Everest, Nepal. He also enjoy, every morning, walking around Takamatsu lake which is famous as a landing zone for migratory birds such as swan in order to pass the winter.