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Prof. Keisuke Takashima

Tohoku University, Japan

Keisuke Takashima received his B.S. in mechanical engineering, and M.S. and Ph.D. in energy sciences from Tokyo Institute of Technology. During his post-doc under Prof. Igor V. Adamovich from 2009 to 2011 and under Prof. Yi-Kang Pu from 2012 to 2014, he worked mainly on plasma flow control and fast ionization waves, and on optical emission and absorption spectroscopy in nanosecond pulse discharges, respectively. He joined in department of electronic engineering at Tohoku University as an assistant professor in 2014.

His research areas of interest lie in investigating fast pulse discharge plasma and its physicochemical processes under multiphase environments and in developing applications with those for aerospace to agriculture.