

ICMAP 2018

The 7th International Conference on Microelectronics and Plasma Technology

July 24–28, 2018 / Songdo ConvensiA, Incheon, Korea

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Dr. Nozaki received B.E. and M.E. degrees from Toyohashi University of Technology, Japan, both in Energy Engineering, in 1993 and 1995. He started his carrier at Ishikawajima-Harima Heavy Industries. Co. Ltd. (currently IHI) ('95–'96), where he engaged in the pulverized coal combustion and the environmental protection technology development. He became a faculty of Gifu University in Mechanical Engineering ('96–'99) and an Assistant Professor of Tokyo Institute of Technology in the Department of Mechanical Engineering ('99). He directed his research to the atmospheric pressure plasma chemistry and received Ph.D. from Tokyo Tech in 2003. After his postdoctoral work at the University of Minnesota ('03–'04), he received full professorship from Tokyo Institute of Technology in 2012. He pioneered various innovative plasma processing technology based on atmospheric pressure plasmas and is exploring new technology in the fields of Plasma Catalysis, Natural gas conversion, Power-to-Gas, and silicon nanoparticles synthesis and photovoltaic application. He is the author of more than 150 publications including several book chapters. He is currently a Board of Director of International Plasma Chemistry Society, Editorial Board of Plasma Chemistry and Plasma Processing (Springer), International Advisory Board of Plasma Processes and Polymers (Wiley).