

Masaki Ishiguro

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Education

- Apr. 2009/Mar. 2012 **Ph.D.** Plasma Engineering
Interdisciplinary Graduate School of Engineering Sciences
Kyushu University, Kasuga City, Fukuoka, Japan
- Apr. 2007/Mar. 2009 **MEng** Plasma Engineering
Interdisciplinary Graduate School of Engineering Sciences
Kyushu University, Kasuga City, Fukuoka, Japan
- Apr. 2004/Mar. 2007 Undergraduate Program in Energy Science and Engineering
Kyushu University, Fukuoka City, Fukuoka, Japan

Professional Experience

- Apr. 2012 Hitachi High-Technologies Corporation
Electronic Device System Business Group
Process System Research and Development Dept.
- Apr. 2011/Mar. 2012 Japan Society for the Promotion of Science
Research fellow

Publications

- Aug. 2015 **Masaki Ishiguro**, Kazuyuki Ikenaga, Tomoyuki Tamura,
Shigeru Shirayone and Masahiro Sumiya,
“Particle Transport in Etching Chamber Influenced by Coulomb Force”
IEEE Trans. Semicond. Manuf., vol. 28, no. 3, pp. 247-252
- Jun. 2012 **Masaki Ishiguro**, Kazuaki Hanada, Haiqing Liu, Hideki Zushi,
Kazuo Nakamura, Akihide Fujisawa, Hiroshi Idei, Yoshihiko Nagashima,
Makoto Hasegawa, Saya Tashima, Yuichi Takase,
Yasuaki Kishimoto, Osamu Mitarai, Shoji Kawasaki,
Hisatoshi Nakashima, and Aki Higashijima
“Non-inductive current start-up assisted by energetic electrons in Q-shu
University experiment with steady-state spherical tokamak”
Phys. Plasmas, 19, 062508

- Nov. 2011 **Masaki Ishiguro**, Kazuaki Hanada, Haiqing Liu, Hideki Zushi, Naoaki Yoshida, Tomonori Tokunaga, Kazuo Nakamura, Akihide Fujisawa, Hiroshi Idei, Mizuki Sakamoto, Makoto Hasegawa, Saya Tashima, Yuichi Takase, Takashi Maekawa, Yasuaki Kishimoto, Osamu Mitarai, Shoji Kawasaki, Hisatoshi Nakashima, and Aki Higashijima
 “Direct measurement of energetic electron flow in Q-shu University Experiment with steady-state spherical tokamak”
 Rev. Sci. Instrum., 82, 113509
- May 2014 **Masaki Ishiguro**, Kazuaki Hanada, Hiqing Liu, Ryota Ogata, Mitsutaka Isobe, Saya Tashima, Hideki Zush2, Khonosuke Sato, Akihide Fujisawa, Kazuo Nakamura, Hiroshi Idei, Mizuki Sakamoto, Makoto Hasegawa, Yuichi Takase, Takashi Maekawa, Yasuaki Kishimoto, Osamu Mitarai, Shoji Kawasaki, Hisatoshi Nakashima and Aki Higashijima
 “Investigation of Non-inductive Plasma Current Start-up by RF on QUEST”
 J. Phys.: Conf. Ser., 511, 012041
- Dec. 2010 **Masaki Ishiguro**, Kazuaki Hanada, Kazuo Nakamura, Osamu Mitarai, Hideki Zush, Hiroshi Idei, Mizuki Sakamoto, Makoto Hasegawa, Yuta Higashizono, Yuichi Takase, Takashi Maekawa, Yasuaki Kishimoto, Shoji Kawasaki, Hisatoshi Nakashima and Aki Higashijima
 “Reconstruction of Vacuum Magnetic Flux in QUEST”
 Plasma and Fusion Research, vol. 5, S2083
- Aug. 2010 **Masaki Ishiguro**, Kazuaki Hanada, Hideki Zushi, Kohnosuke Sato, Kazuo Nakamura, Hiroshi Idei, Mizuki Sakamoto, Makoto Hasegawa, Shoji Kawasaki, Hisatoshi Nakashima and Aki Higashijima
 “The Study about the Relationship between Plasma Current in Open Magnetic Field and the Formation of Closed Flux Surface in CPD”
 J. Plasma Fusion Res. SERIES, vol. 9, pp.18-22

Awards

Dec. 2014 ISSM 2014 Best Paper Awards

Relevant Skills

Programming FORTRAN, MATLAB, LabVIEW