

Iwafune Yumiko

Position/Department/Division/Institution/Organization

Project Professor, Institute of Industrial Science, the University of Tokyo

Country

Japan

Career history

- Project Professor, Collaborative Research Center for Energy Engineering, Institute of Industrial Science, The University of Tokyo, Japan, 2015 to Present
- Associate Professor, Collaborative Research Center for Energy Engineering, Institute of Industrial Science, The University of Tokyo, Japan, 2010 to 2015
- Lecturer, Collaborative Research Center for Energy Engineering, Institute of Industrial Science, The University of Tokyo, Japan, 2008 to 2010
- Researcher, Jukankyo Research Institute, Inc., 2001 to 2008
- Researcher, Mitsubishi Research Institute, Inc., 1993 to 1998

Served on a number of advisory committees including the General Resources and Energy Research Committee of the Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry

Awards/Publications

Iwafune et al., "Driving Simulator for Electric Vehicles Using the Markov Chain Monte Carlo Method and Evaluation of the Demand Response Effect in Residential Houses", IEEE 2020.2978867

Iwafune et al., "Integration of Electric Vehicles into the Electric Power System Based on Results of Road Traffic Census", *Energies* 2019, 12(10), 1849.

Iwafune et al., "A comparison of the effects of energy management using heat pump water heaters and batteries in photovoltaic -installed houses", *Energy Conversion and Management*, Vol.148, 15 September(2017), Pages 146-160.

Iwafune et al., "Energy-saving effect of automatic home energy report utilizing home energy management system data in Japan", *Energy*, Vol.125, 15 April(2017), Pages 382-392.

Areas of expertise

Energy system analysis, Demand response, Energy management system, Building energy efficiency, Electric vehicles utilization