

BESSHO Takeru

Section Manager, PV Group, R&D Center Corporate, Sekisui Chemical Company, Ltd.

Nationality

Japanese

Career History

Dr. Takeru Bessho is a scientist at the Research & Development Center for Sekisui chemical company, Japan, who was granted Doctor of Engineering in 2009 from the Shibaura Institute of Technology as developments of optoelectronic device properties with organic-inorganic hybrid materials. His affiliations were as a Project Lecture at the Research Center for Advanced Science and Technology (RCAST) at the University of Tokyo for highly efficient perovskite solar cell. Before that, as a Researcher at Advanced Materials Laboratories at SONY Corporation from 2011 to 2015, and as a Research Associate at École polytechnique fédérale de Lausanne at laboratory of Prof. Michael Grätzel from 2009 to 2011 for high power conversion efficiency of dye-sensitized solar cells. His main interest is on device engineering with organic-inorganic materials and its improvement of energy conversion efficiency as solar cells, then recently, he is concentrated in the commercialization technology for perovskite solar cells in Sekisui chemical company.

Awards / Publications

The total citation number of publication is more than 7,800 times with 37 papers, writing a part of 3 books, awarded in 4 times at international conference, and invited speaker at 12 times at academic conference about photovoltaics.

Areas of expertise

Device engineering on Dye sensitized solar cells and Perovskite solar cells