

Sugiyama Masakazu

Position/Department/Division/Institution/Organization

Professor, Research Center for Advanced Science and Technology, The University of Tokyo

Country

Japan

Career history

Ph.D Chemical System Engineering, The University of Tokyo (March 2000).

M.Sc. Chemical System Engineering, The University of Tokyo (March 1997).

B. Sc. Chemical System Engineering, The University of Tokyo (March 1995).

April 2000: Research Associate, Department of Chemical System Engineering, School of Engineering, the University of Tokyo

May 2002: Lecturer, Department of Electronic Engineering, School of Engineering, the University of Tokyo

April 2005: Associate Professor, Department of Electronic Engineering, School of Engineering, the University of Tokyo.

April 2006: Associate Professor, Institute of Engineering Innovation, School of Engineering, the University of Tokyo.

April 2014: Associate Professor, Department of Electrical Engineering and Information Systems, School of Engineering, the University of Tokyo.

November 2016: Professor, Department of Electrical Engineering and Information Systems, School of Engineering, the University of Tokyo.

April 2017: Professor, Research Center for Advanced Science and Technology, The University of Tokyo

Awards/Publications

Young Researcher's Fellowship, Society of Chemical Engineers, Japan (2003)

Best Teaching Award, School of Engineering, The University of Tokyo (2014)

Distinguished Research Award, School of Engineering, The University of Tokyo (2016)

290 refereed journal publications and 505 international conference papers.

Areas of expertise

- High-efficiency photovoltaic (PV) devices using the nano-epitaxial structures of III-V compound semiconductors.
- Sustainable conversion of solar energy to next-generation fuels such as hydrogen.
- CO₂ capture and conversion to chemical feedstocks driven by renewable electricity.