

SUGIYAMA Masakazu

Position/Department/Division/Institution/Organization

The director and a professor at Research Center for Advanced Science and Technology (RCAST),
The University of Tokyo

Country

Japan

Career history

In 2000, Masakazu Sugiyama became a Research Associate at the Department of Chemical System Engineering, the University of Tokyo. In 2002, he joined the Department of Electronic Engineering as a Lecturer. He became an Associate Professor in 2005. In 2016, he was promoted to a full professor and then moved to RCAST in 2017.

In 2022, he became the director at RCAST.

He is a program manager of Japanese MOONSHOT program, aiming to realize CO₂ capture and conversion to chemical feedstocks driven by renewable electricity.

Awards/Publications

He authored and coauthored 300 refereed journal publications and 510 international conference papers.

Areas of expertise

His major research topics are high-efficiency photovoltaic (PV) devices using the nano-epitaxial structures of III-V compound semiconductors. He is a recognized leader in the sustainable conversion of solar energy to next-generation fuels.