

NORINAGA Koyo

Position/Department/Division/Institution/Organization

Professor, Institute of Innovation for Future Society, Nagoya University

Vice director, Research Center for Net Zero Carbon Society, Nagoya University

Country

JAPAN

Career history

Koyo Norinaga is a Professor and a vice director at Research Center for Net Zero Carbon Society at Nagoya University (NU) Japan. He received his BE, ME, and PhD in Chemical Engineering from Hokkaido University, Japan. After working as an Assistant professor at Tohoku University during 1999-2002, he moved to Germany and worked at as an Alexander von Humboldt research fellow and a senior scientist at Karlsruher Institute of Technology (KIT) for four years. He came back to Japan and had made his carriers at Hokkaido and Kyushu University as an Associate Professor from 2006 to 2017. In the NEDO moonshot project, he is keen to develop an energy saving direct air capture that utilizes liquefied natural gas coldness.

Awards/Publications

He got the Progress Award of the Japan Institute of Energy on his achievements in the "Chemistry and kinetics of hydrocarbon pyrolysis" in 2012, and also received the Distinguished Paper Awards in 2015 and 2016, both from the Japan Institute of Energy. Prof. Norinaga has 150+ publications, 32 h-index (SCOPUS), and 70+ invited talks.

Areas of expertise

His research interests include CO₂ separation by chemical absorption, CO₂ utilization process, thermochemical conversion of biomass, and modeling & simulation for the chemically reacting flows. He is now conducting government and private sector funded research projects with more than 15 companies to develop carbon recycling chemical processes.