

ICRERA 2026
15th INTERNATIONAL CONFERENCE ON RENEWABLE
ENERGY RESEARCH AND APPLICATIONS



Student: Tomoki Doi

Nagaoka university of technology, Niigata, Japan

Paper ID : 235

Paper Title : Reduction in Transmission Power Error in Primary-Side Power Control with a Current Envelope Model for Wireless Power Transfer for AGVs

Bio :

Tomoki Doi is a student in the Department of Electrical, Electronic and Information Engineering at Nagaoka University of Technology, and belongs to the Advanced Energy Conversion Laboratory, where research is conducted on the elemental technologies of power electronics.

Doi is conducting research on wireless power transfer technology for automated guided vehicles (AGVs). His research activities within power electronics include wireless power transfer, power control and charging system for electric vehicles and AGVs.