

研究室名	加藤彰研究室 学会発表
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演題名	Study of BEV ECO-Driving Methods using Mode and Real Driving Tests - Actual Road Power Consumption Assessment and Characteristics -
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内容	With the goal of achieving carbon neutral by 2050, passenger vehicles are shifting from Internal Combustion Engine (ICE) vehicle to Battery Electric Vehicle (BEV). However, BEV has issues, such as limited range, long charging time, lack of charging stations, and high cost. In this study, we conducted a mode tests on Chassis Dynamometer (CD) and real driving tests in Utsunomiya city using a BEV under outside air temperature conditions of 5°C, 20°C, and 35°C with or without an Air Conditioner (AC). The purpose of this study is to analyze the effects of different outside air temperatures and whether AC used or not used to the energy consumption of BEV on actual road. Therefore, the energy consumption characteristic from experiment will be investigated and analyzed, and the eco-driving of BEV will be presented as an energy efficiency improvement method.