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学会名	一般社団法人日本機械学会関東支部栃木ブロック研究交流会
演題名	Investigation of Energy Consumption Measurement Method for Electric Vehicles Using External Diagnosis Tool
発表者	○Michael Melkior Kanugroho※, Yuta Nakane※, Taizo Otsuki※, <u>Akira Kato</u>
内容	<p>In this research, we measure energy consumption of electric vehicles by driving on the actual road using Nissan Leaf (ZE1). As a method of measuring energy consumption, we use the external diagnosis tool HDM9000 made by Hitachi Astemo. We will drive the car on the actual road and calculate the energy consumption from the obtained data.</p> <p>It is also necessary to confirm HDM9000 can record accurate values when used in experiments is possible. By using the watt meter from the high voltage battery and HDM9000, we tested the Nissan Leaf (ZE0) at a steady speed and run the WLTC mode on the chassis dynamometer, and investigate whether there is a difference in energy consumption between both measurement devices.</p>