大学名	北海道大学		
University	Hokkaido University		
外国人研究者	オスカー・カパネロ・バラウッド ジュニア		
Foreign Researcher	OSCAR CABANERO BARAWID JR.		
受入研究者	野口伸	職名	教授
Research Advisor	Noguchi, Noboru	Position	Professor
受入学部/研究科	農学部		
Faculty/Department	Collage of Agricuture		

<外国人研究者プロフィール/Profile>

国籍	フィリピン		
Nationality	FILIPINO		
所属機関	アウロラエ科大学		
Affiliation	AURORA STATE COLLEGE OF TECHNOLOGY, PHILIPPINES		
現在の職名	准教授		
Position	ASSOCIATE PROFESSOR V		
研究期間	90日		
Period of Stay	90 DAYS		
専攻分野	農業工学		
Major Field	ENGINEERING AND AGRICULTURE		
<外国人研究者からの報告/Foreign Researcher Report>			



My working desk for three (3) months in the laboratory

①研究課題 / Theme of Research

Development of Low-Cost Electronic Vehicle Powered by Solar Energy

②研究概要 / Outline of Research

The purpose of the researcher is to seek help from his previous laboratory by developing software, middleware and hardware needed for his low-cost electronic-vehicle powered by solar energy for agriculture purposes. Design of the simulation program will be made in order test the controller and then actual development of the controller will follow.

③研究成果 / Results of Research

Demonstrations and experiments of the recent researches in the laboratory of the researcher were attended. After that, the design of the controller for the solar powered vehicle was made. The controller design was tested in a simulation program. Actual testing of the parts was also done in a breadboard. Then, actual construction of the solar controller was made.

④今後の計画 / Further Research Plan

After going back to the home country of the researcher, actual testing of the solar controller will be conducted by running the solar powered vehicle. If the system will work, a possible development of low-cost solar powered vehicle will be done.





Participated in Robot Tractors Demonstration



Visited Work Institute of my Previous Colleague from my Laboratory