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This research topic will be mainly about organic chemistry, which can be possibly related to my main research about pyrolysis of biomass. I am now still discussing this matter with Furuno sensei. Since I am still waiting for the result of my internship application in METI Government of Japan Internship Program, which will be held from October until November 2016, my first lab rotation may start on the end of November 2016 or later.

Later on, for my second lab rotation, I am thinking of doing literature study under supervision of assistant professor Watanabe Tomoaki. I have not asked this matter with Watanabe sensei yet, because I have not decided what I am going to do in his laboratory. Therefore, firstly I will ask my main supervisor's opinion about my second lab rotation plan and then decide what the research topic that I could do under supervision of Watanabe sensei.

One of the six stages gate system that I have to do during my study as Green Asia student is Lab Rotation. In this lab rotation, I have to do research in the other 2 laboratories other than my main supervisor's laboratory. It will be really good experience for me because I could have chances to learn research field that is different with my main research field in my main supervisor's laboratory. Currently, my research topic in my main supervisor's laboratory is "Estimation of Gas Evolution Rate upon Pyrolysis under A Rapid Heating Rate".

As for my first lab rotation, I have planned to do research in the Dr. Hiroshi Furuno laboratory.

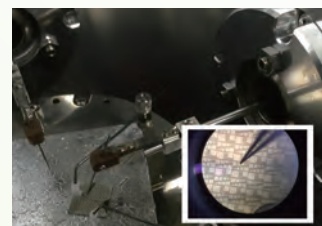


### Wei-Chen Wen

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one of important analysis methods for my main research, electrical defects evaluation for Ge-MOS. It was a wonderful opportunity to have this experience. Now, I am preparing for my Practice School in NIMS, and I am sure that it will bring something new to me. In the future, I will have two internships, one more Laboratory Rotation and the other activities. As a result, I believe I can deepen my research field and widen my knowledge through this program.

I have been in Japan and joined Green Asia program for nearly one year. GA program is a challenging program with a verity of activities and countless reports for them. However, honestly, I learnt a lot in these comprehensive and interesting activities, including some economic, environmental and social issues. This year, I joined several afternoon colloquiums, a domestic tour and an international tour that broadened my mind. Last semester, I finished my first Laboratory Rotation in Professor Okada's Laboratory for learning XPS which is

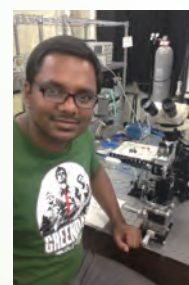


### Sampad Ghosh

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used different equipment and methods while doing experiment into another laboratory. Definitely the experienced that I got will help me to adapt and work in different environment in future. Now, I am planning for the 2nd lab rotation and hope I will get some exciting memory. Thanks to GA to give me opportunity for further continuation.

Hello! I'm Sampad Ghosh from Hamamato laboratory. I've just spent one year of masters program and completed several course works. Some courses are directly related with my main research theme, while the others enriched my knowledge regarding the global environment, society, economy and gave some flavor of different research fields. My primary research is on 3D-optical waveguide which is very important for next generation opto-electronic system. Moreover, in the 1st lab rotation I have



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lithium-ion batteries for the low cost and large scale energy storage system in the near future. In spite of the advantages, materials suitable for the anode of Sodium ion batteries are still limited. Therefore, I want to develop the suitable anode for Na-ion battery in near future. This semester will be base of my future.

My name is Chung Dabin from Korea. This semester was 2nd period for me in Master course. I did many researches in this semester. From the 3rd to 4th, I have to do many activities from GA like Lab rotations, practical school, and also QE presentations. Therefore, I wanted to go deep inside about my research in this semester and I think I fulfilled my goals. I decided my research theme about secondary batteries. Especially, I studied about Na-ion batteries. Na-ion batteries are expected to be alternative application to

