



# UQ-KU Project

## 九州大学 研究教育交流拠点

# UQ-KU Project Newsletter

January 2017

THE UNIVERSITY OF QUEENSLAND – KYUSHU UNIVERSITY OCEANIA PROJECT

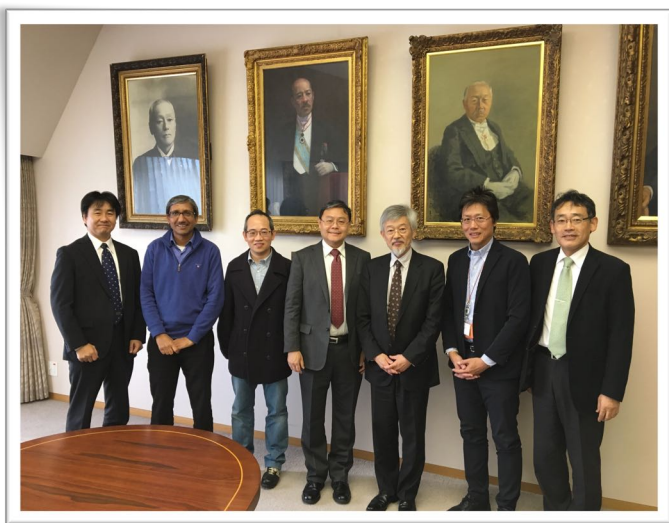
## January Newsletter

### Kyushu University Progress 100 Project

The Progress 100 Project is headed by Professor Masato Wakayama, Trustee and Vice President of Kyushu University (KU) and the mission of the Project is to build upon the research and strengths of KU by inviting top researchers from around the world to KU. The international collaborative research programs and joint publications that will be a direct result of the Progress 100 Project, in addition to undergraduate and post graduate students having direct access to some of the best researchers in the world will greatly

enhance the ranking and reputation of Kyushu University.

As part of the Progress 100 Project, Professor Syo Matsumura and Professor Chihaya Adachi hosted four distinguished research academics from the University of Queensland (UQ) in December of 2016. Professor Jin Zou is Chair in Nanoscience at UQ; Associate Professor Kazuhiro Nogita is researcher in the School of Mechanical and Mining Engineering at UQ and Dr Ebinazar Namdas and Dr Shih-Chun Lo are researchers in the UQ Centre for Organic Photonics & Electronics (COPE).



*Kyushu University Progress 100 Project Participants. From left to right: A/Prof Kazuhiro Nogita (UQ); Dr Ebinazar Namdas (UQ); Dr Shih-Chun Lo (UQ); Prof Jin Zou (UQ); Prof Masato Wakayama (KU); Prof Chihaya Adachi (KU) and Prof Syo Matsumura (KU).*

### UQ-KU Project Lecture Series

Kyushu University has been hosting Professor Jin Zou from the 16<sup>th</sup> of December 2016 to the 17<sup>th</sup> of January 2017. During his stay, Prof Zou will have delivered a six part lecture series (in English) entitled "Introduction to Microscopy for Nanomaterials". The lectures, given to undergraduate students, will cover electron microscopy, nanomaterials and thermoelectric materials.

Mr Jonathan Read also visited Kyushu University late in 2016 to deliver the annual lecture series on Engineering Ethics to Kyushu University's international student cohort.

In addition to the above series of lectures, the UQ-KU Project was delighted to be able to facilitate presentations by Dr Chris Gourlay (Imperial College, London) and Dr Mohd Arif Anuar Mohd Salleh (Universiti Malaysia Perlis) to staff and students of the Department of Applied Quantum Physics and Nuclear Engineering on 9<sup>th</sup> December 2016. Dr Gourlay and Dr Salleh gave presentations pertaining to their research into solder joint technology.

Dr Lo and Dr Namdas, (along with Professor Paul Burn, the Head of COPE) in conjunction with Professor Chihaya Adachi from KU were recently awarded a prestigious Australian Research Council Discovery Grant for a collaborative research project to develop new materials for organic light emitting diodes.

### Research Opportunities for UQ Students

Ms Chen Zhou and Ms Flora Somidin, both PhD students at the University of Queensland, were guests at Kyushu University during November and December of 2016. Ms Zhou and Ms Somidin were both very pleased to be able to use the High

Voltage Transmission Electron Microscope at Kyushu University. Ms Zhou was able to use the Atomic Resolution Microscope to help her investigate the structural characteristics of GaAs(Sb/Bi) nanowires and Ms Somidin made crystallographic observations during in situ heating and cooling. This opportunity has greatly assisted them in their respective research areas.

#### SPECIAL STAY IN QUEENSLAND – RYO NISHIKAWA



I joined the Q2PEC program during summer in 2016. I had been to Sydney once, but Brisbane was a first for me and I was so excited to imagine the amazing stay. Real situations in Brisbane did not betray me, and I was able to enjoy this program for the sake of interesting things; tours and presentations in laboratories of UQ, general English classes in ICTE Building, and my club activities in the Triathlon club at UQ.

During this program, five sections of presentation and tours to laboratories were held. Presenters showed us a lot of content of their investigations, and also they made a lot of effort in order to make their speaking slower and understandable for us. Because of such efforts, I might have been able to understand them easily. In addition, my skills for listening and knowledge of non-related fields or my own interested fields would have increased. Therefore, it was not only for introducing the university's investigations but also for developing our abilities of English.

Furthermore, general English classes were offered for us from 8:15 to 12:45. Of course, there were also classes for improving skills of presentations, but the general English classes provided me with opportunities to learn many tips for English by making me talk with other people in English or letting us ask questions. Then, in those processes, I could also learn about the importance of communication even in the situation where we don't need to use foreign languages. By the way, my classmates showed me good example for those ones, and I got a good posture to let me make more progress. Thus these English classes were not for the mere English but for my life. I appreciate the teacher and my last classmates.

Finally, I joined the Triathlon club's practice at UQ every week in this program's period. It usually started at 4:30 / 5:15 / 5:45 am, and those practices were not so hard. However, it became my precious and first opportunity to practice overseas because conversations or instructions were naturally conducted in English, and pools such as the 50 m pool in UQ are rarely seen in Japan. And also, many teammates talked to me even though I was a stranger. Therefore, I'm not regretful to have chosen that team and gotten up so early. It has become one of my biggest memories in Brisbane.

To sum up, my visit to UQ and the life in Queensland were filled with a lot of things. Then, in the background, there must have been a lot of support from my host family, professors, their assistants, Kyushu University, and all other people who were related to me. Thus, I really appreciate them and I hope the things taught or given from them will make for me from now on. In addition, my purpose in these three years from now is entering UQ as a graduate school student. In order to complete that purpose, I am going to change myself and challenge new things. Therefore, I am thankful for all things which let me change completely and developed me in this program.



*Mr Ryo Nishikawa*

## MY QUEENSLAND UNIVERSITY EXPERIENCE

I am Yuki Abe, an Aerospace and Mechanical Engineering student at Kyushu Univ. Last summer I had a wonderful experience of studying overseas at the University of Queensland (UQ). Now I'd talk about my beautiful class and homestay family.

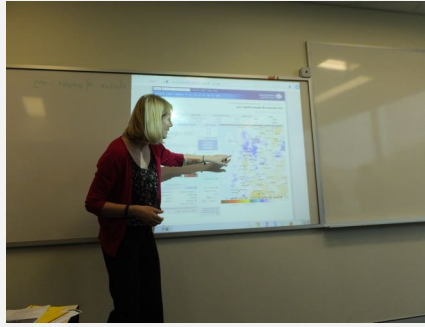
First I show you my English class at UQ. Every day I had two English Lessons with students who come from a variety of countries, like China, Columbia, Italy, and UAE. Each class has 2 hours, so before I went to Australia I think it was very long and I felt little nerves. However, the teachers were very kind and interesting and I felt time passed by so quickly!! Moreover, I thought teachers had better skills of teaching English than any other teachers in Japan, because not only did they always use good examples and phrases in order to teach new ideas, but also they made full use of digital devices (like electronic teaching materials and web-site). As a result, students could understand deeply and did not get bored with classes. What is more, the greatest point I thought was the students. They were really energetic and had passion for improving their English skills, so they usually said their opinions and ask teachers and friends their question. It had a good effect on me.

Second I'd like to introduce my beautiful host family. This was my first time to stay with a foreign family, and I had a precious experience. The most impressive moment was dinner. Every day we had dinner together and my host father asked me "What did you learn about in your class today? And what did you think or feel about it?" First time, I could not answer these questions, but after that day, every day I remembered what teachers taught me in the bus before coming back home. I think this was good time to review lessons.

Through this program, I learned a lot of things; not only English but also cultures, communication skills, others thought etc.... I want many people to experience studying abroad and feel how great it is, and I want to go other countries to improve my English. I will apply to another program and every day I make effort to improve myself.

To sum up, my visit to UQ and the life in Queensland were filled with a lot of things. Then, in the background, there must have been a lot of support from my host family, professors, their assistants, Kyushu University, and all other people who were related to me. Thus, I really appreciate them and I hope the things taught or given from them will make for me from now on. In addition, my purpose in these three years from now is entering UQ as a graduate school student. In order to complete that purpose, I am going to change myself and challenge new things. Therefore, I am thankful for all things which let me change completely and developed me in this program.

*Mr Yuki Abe*



*Classroom*



*Beautiful my classmates*



*Lovely my host family*

FOR MORE INFORMATION VISIT

<http://www.mechmining.uq.edu.au/uq-ku-project>