

Graduate School of Science & Engineering

Newsletter

International Graduate Program on Renewable Energy System Engineering (RESE)



Greetings from the Head of RESE Program



I am pleased to introduce our new International Graduate Program on Renewable Energy System Engineering (RESE) at the Graduate School of Science and Engineering, Saitama University.

This program is the English-mediated, three-year doctoral program supported by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan. The program offers excellent opportunities to highly qualified international students for pursuing graduate studies and research in the field of renewable energy system engineering including photovoltaic-, thermoelectric- and wind-power degeneration, battery, energy storage, hydrogen production, and their applications to light source, automotive, reduction of CO₂, hydraulics and water resources engineering. We provide 3 different courses to approach the field related to the renewable energy system engineering.

This year of 2019, in October, we received our first 10 students from Asian countries such as Bangladesh, Myanmar, Sri Lanka and Vietnam. Welcome to our RESE Program!

We are committed to offering the best education environment both in terms of research and course work. Our faculty is comprised of well-known experts in their respective fields and boasts excellent experimental, computing, and reference facilities. All courses are conducted in English but also we offer Japanese language classes, cultural exchange events, Japanese companies visit and so on, so that the student can have a great experience in studying in Japan.

We look forward to welcoming you to our RESE Graduate Program at Saitama University.

Best regards,

Hajime SHIRAI, Professor

Head of RESE Program

Graduate School of Science and Engineering, Saitama University

What is RESE Program

RESE International Program is the English-mediated, 3-year Doctoral program in Graduate School of Science and Engineering, Saitama University, supported by MEXT (Japan's Ministry of Education). This program consists of 3 different courses to approach the field related to the Renewable Energy System Engineering, such as Material Science Course, Mathematics, Electronics and Informatics Course and Mechanical Engineering and Science Course.

Every year, 8 students are selected as full scholarship students supported by MEXT, which is highly competitive. Some other students who are self-supported or supported by other institutions' scholarship are also welcomed to our Program.

Our Research Courses

Materials Science



Promotes research and education based on science related to the structures, interactions, functions, and reactions of material systems at all levels, from elementary particles to macro materials, as well as theoretical and applied research on those sciences.

Mathematics, Electronics, and Informatics



Cultivate researchers with specialized knowledge and skills related to theory, hardware, and software in the field of mathematics, electronics, and informatics; the ability to conduct highly innovative research from a broad perspective by organically linking technologies in various fields.

Mechanical Engineering



Cultivate researchers with the ability to create systems with new functions based on societal needs, such as human-friendly production machines with new functions and human support-oriented mechanical systems based on core production science technologies and human support technologies.

What' s New



Prof. Ismail with Prof. Shirai & students

March 14th, 2019

Prof. Abu Bakar Md. Ismail, Dept. of Electrical and Electronic Engineering, University of Rajshahi, Bangladesh who was a former dean of the Engineering Faculty, has visited **Prof. Hajime Shirai**, the Head of RESE International Program at Saitama University. The students from Bangladesh who are currently studying at Saitama University welcomed Prof. Ismail and reported about their student life in Japan. Prior to his visit at Saitama University, Prof. Ismail has presented his work as an invited speaker at Tsukuba University.

July 10th -14th, 2019

Prof. Norihiko Kamata, Dept. of Functional Materials Science, has visited University of Rajshahi, Bangladesh as the keynote speaker for International Conference on Computer, Communication, Chemical, Materials and Electronic Engineering. He was invited by Prof. Abu Zafor Md. Touhidul Islam, the former chairperson of Dept. of Electrical and Electronic Engineering, University of Rajshahi. Prof. Islam is a former postdoctoral researcher in Kamata Lab. Prof. Kamata was very pleased to be able to meet with many graduates of Saitama University who gathered at the Conf.



Prof. Kamata with the graduates at the Conference, Bangladesh



Prof. Shioda with members of HUST

September 8th-11th, 2019

Assoc. Prof. Tatsutoshi Shioda, Dept. of Electrical & Electronic Systems, has visited Hanoi University of Science & Technology (HUST) in Hanoi, Vietnam. Dr. Truong Cong Tuan, a former PhD student in Shioda Lab and now a lecturer in Precisely Mechanical and Optical Engineering at School of Mechanical Engineering, HUST, is introducing RESE International Program to the students who are interested in studying in Japan.

September 12th-19th, 2019

Prof. Tetsuya Shimamura, Dept. of Information and Computer Sciences, has visited University of Information Technology, Myanmar and has given lectures for 5 days about the research in his laboratory together with Ms. Yadanar Khaing, a PhD student of Shimamura Lab, in front of professors from universities in Myanmar.



Prof. Shimamura at UIT



Together with Head of Faculty of Computer Systems and Technologies, UIT, Myanmar



Ceremonial Speech by the President of SU

September 25th, 2019

2019 Autumn Entrance Ceremony for Graduate Students was held at University Hall. The encouraging ceremonial speech in English was given by Prof. Hiroyuki Yamaguchi, the President of Saitama University.

We have 66 newly admitted graduate students in this autumn, the 28 and 36 of which are master's and doctoral students, respectively. The students are from 19 countries in total. RESE International Program's first students have commenced their student life on this day.

October 23rd, 2019

The Welcome Party for new international students in RESE International Program was held at the student lounge, General Research Building at Saitama University. Dr. Shirai, Dr. Shimamura, Dr. Arai and Dr. Shioda of RESE Program together with Japanese Tutor students and the senior international students who have already started their research at SU has welcomed the New Students at the party.



Welcome New Students/October 2019



Kuddus Abdul
(Bangladesh)
Materials Science
(Shirai Lab)



Ali Md Hasan
(Bangladesh)
Materials Science
(Shirai Lab)



Arefin Md Samsul
(Bangladesh)
Mechanical
Engineering
(Hirahara Lab)



Nguyen Cuong
Xuan (Vietnam)
Mechanical
Engineering
(Arai Lab)



Dinh Thai Bao
(Vietnam)
Electrical &
Electronic Science
(Shioda Lab)



Mahmudul Hasan
(Bangladesh)
Information &
Computer Sciences
(Kobayashi Lab)



Aie Su Su Kyi
(Myanmar)
Information &
Computer Sciences
(Shimamura Lab)



Shwe Yee Win
(Myanmar)
Information &
Computer Sciences
(Komuro Lab)



Su Wai Tun
(Myanmar)
Information &
Computer Sciences
(Komuro Lab)



Nerandi Kumburage
(Sri Lanka)
Information &
Computer Sciences
(Ohkubo Lab)

Message from Students in SU



I am doing PhD in the Department of Mechanical Engineering in Saitama University now. In the past, I had an opportunity to stay in Japan with my parents. We stayed for long eight years. That time my father did his Master from Oita University and PhD from Kyushu University. Later we moved to Ibaragi he did 2 years of Research in HITACHI. In those eight years of period I got lots of friends, experience, and worm memories. After these eight years we returned to our country. I completed my undergraduate in Mechanical Engineering from the university where I am serving now. Then, from Malaysia I did my Master. I am feeling very lucky to get the opportunity to do PhD from Saitama University, Japan. Also, I am very happy to have nice research lab and respected teachers. Saitama University is situated in such a unique city that it is very calm and quite at the same time it is very near to the city center of Japan, Tokyo. The environment of the Saitama University is very friendly and very comfortable. Along with my PhD study I am doing Japanese language class. This class is very enjoyable. The class teacher presents the Japan, Japanese culture and Japanese Language so nicely that we hardly miss the class. Finally, university environment, accommodation, food, living expenses makes Saitama University a wonderful option for higher study.

Choudhury Tasnuva Tabashhum (Assistant Professor in the Department of Mechanical Engineering, Rajshahi University of Engineering & Technology, Bangladesh)

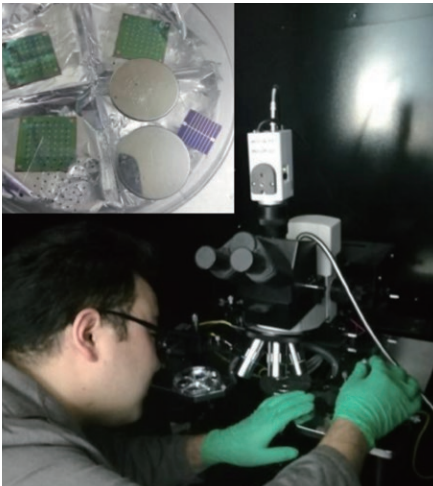
Memories at SU by Alumni



I am **Dr. Jaker Hossain, Associate Professor of Department of Electrical and Electronic Engineering, University of Rajshahi, Bangladesh.** I came to Saitama University, Japan in September 2014 for my PhD program. Studying in Japan is a great privilege as one can get a nice and excellent research environment here. The life in Japan is highly secured and interesting. Japanese people are so cordial to help in any manner. Japanese universities have world class research facilities. Saitama University has a nice campus and the people around here are very nice. I have many nice memories at Saitama University. I was very lucky to be a part of world renowned Shirai Laboratory at Saitama University.

I am now trying to establish a research lab in Bangladesh for doing research on energy harvesting based on the knowledge I acquired during my PhD study in Japan.

Memories at SU by Alumni



I guess it's difficult to find even a single petal of Sakura in the campus of Saitama University by now, in the sunny time of the late spring. But my memories of five years studying and researching life in SU do not fade away at all. Firstly, I have to give my great appreciate to MEXT for their support with MEXT Scholarship to me for my PhD Program in SU. And very much thanks to all the people who helped me in SU, supervisors, office staffs, labmates, technicians, neighbors of my dormitory and so forth. There never were trouble or disturb during our interfacing, and they always have maintained an amicable smile which every oversea student who stayed in SU can not forget.

Dr. Qiming Liu, associate professor in institute of electronic materials of Lanzhou University, China.

Former PhD student in Shirai Lab, graduated SU in 2015



My name is Truong Cong Tuan from Vietnam, a former PhD student at Advanced Photonics & Sensing Laboratory (Shioda Lab), a lecturer in Precisely Mechanical and Optical Engineering, School of Mechanical Engineering, Hanoi University of Science and Engineering, Hanoi, Vietnam.

Saitama University is one of the famous University in Japan with lot of international students. Saitama University has good facilities for students such as library, cafeteria, gym ... Laboratory has all the necessary equipment for students to study and to do experiment. The course covers a wide research fields of Information Technology, Material Science, Mechanical Engineering and other fields. All courses are conducted in English.

It is a very good opportunity to avail, as Japanese universities are equipped with excellent infrastructure, intelligent & dedicated professors who are very much involved in your studies/ research. There labs are full of resources and you will get a very good chance of practical learning in university and other seminars, conferences, internships you attend while being here. Overall the SU is very safe, convenient, humble and a place to learn & enjoy.



RESE International Doctoral Program / Admission Schedule

Regular Admission for October 2020 Intake

Application deadline: April 15, 2020
Notification of result: June 22, 2020

Regular Admission for April 2021 Intake

Application deadline: November 1, 2020
Notification of result: December 21, 2020

Admission with MEXT Scholarship for October 2021 Intake

Application deadline: November 20, 2020
Notification of result: March 15, 2021

(*The Schedule might be changed according to the circumstances.
Please check our webpage for details. <http://park.saitama-u.ac.jp/~rese/>)

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