Cheng Xiaoyang

総合理工学府
物質理工学
一貫制博士1年(修士1年)

It has been for 4 months since I came from China and study in Japan at the end of September last year. I am a master 1st student belongs to the Advanced Graduate Program in Global Strategy for Green Asia. Till now, I really feel grateful as one of the members in Green Asia Program. The aim of the Green Asia program is to foster a creative leader who can undertake the challenges of balancing economic development and the environment. The courses set by the Green Asia Program covers not only the fundamental scientific knowledge, but also concerns on the economic, social and environmental issues which can support the aim of balance. What's more, the practice school and international internship which can give us the chance to put the knowledge into practice.

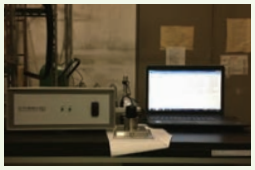
Now I am studying about the waveguide device in Yokoyama laboratory under the supervisor of Prof. Yokoyama Shiyoshi. My main topic is about the modulator, which is a hot topic intensively due to the huge demand of the big data traffic. The current conventional modulator is based on the silicon material but it still has a lot of problem urging to solve especially with the core material. Considering this, my group is aiming to research the new devices based on the organic materials, which can heavily reduce the cost and promote the property, even more, reduce the energy consumption. Though it is still a new and challengeable topic for me, I am still interested into this field and will do my best to achieve my goal. I am sure that through the Green Asia Program I can achieve great experience which will be useful for my future career.

Islam Md Amirul

総合理工学府
環境エネルギー工学
一貫制博士1年(修士1年)

After completing study in high school, I got admitted to University of Dhaka in 2001, one of the reputed Universities in Bangladesh through an entrance exam and by merit. I took Applied Physics, Electronics & Communication Engineering as my major and completed my Bachelor of Science (Honors) and Master of Science (Thesis Group) degree from that department. My M.S. thesis entitled as, "A microcontroller based digital data logger system for solar radiation measurement" was an enormous success during my graduation. Bangladesh Ministry of Science and Information & Communication Technology (MOICT) honored me by giving National Science and Information & Communication Technology (NSICT) fellowship. My thesis was also published in the renowned journal of Bangladesh Electronic Society (BES).

I have started my career as Lecturer at Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj in August 2011. M.S. culminating in a Ph.D. degree is very essential for my career and I think GA Program is the perfect choice for me. I am very much interested in the field of cooling science. Since, it is a fast growing area with tremendous potential for research and it has an increasing number of applications in today's world of science and technology. A big challenge in the cooling science today has been the development of miniaturized coolers for electronics cooling purposes, which can revolutionize the thermal management of electronics and optoelectronic systems, as well as in the small-scale integration of refrigeration equipment. Thus an important research area is to model and develop miniature cooling devices that is: compact; virtually free of moving parts, highly reliable, free of toxic and environmentally-harmful substances, highly efficient in converting input (electrical power) to cooling power, capable of exceptionally high cooling densities, and available at affordable prices.



Omar Mohamed Ali Mohamed Ibrahim

総合理工学府
環境エネルギー工学
一貫制博士1年(修士1年)

My name is Omar Ibrahim, I am a graduate of Cairo University with a bachelor degree in Mechanical Design Engineering. I am currently a master's student at the Advanced Graduate Program in Global Strategy for Green Asia, Kyushu University.

My main goal of pursuing my master's and PhD degrees is to become a researcher in the field of renewable energy, which I became fascinated with as an undergraduate student. I think renewable energy will play an important role in power generation in the future, especially wind energy; which is growing fast and has a promising future, but there are a large number of challenges facing wind industry.

As a graduate student at Green Asia program I want to develop an expertise and deepen my knowledge in wind energy and to contribute to the available body of knowledge in the field of green and renewable energy.


Wind lens turbine, Chikushi campus, Kyushu University