

活動報告

JST さくらサイエンスプラン 「共同研究コース」10名の受け入れ(単年度交流)

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2016年7月20日～8月9日の3週間に渡り、当研究所4度目となる、JST さくらサイエンスプランの支援による海外学生（ポスドク含む）の受け入れを行いました。今回はハノイ工科大学（ベトナム）、インドネシア大学（インドネシア）、チュラロンコン大学（タイ）からそれぞれ1名、国立台湾大学（台湾）、カセサート大学（タイ）からそれぞれ2名、モンクット王トンプリ工科大学（タイ）から3名、合計10名の大学院生及びポスドクを招へいしました。

3週間の滞在中、参加者はそれぞれ当研究所の田中研究室、近藤研究室、伊藤研究室、西川研究室及び堤研究室に配属され、「P91（9Cr鋼）のプロパティおよび微細構造の解析」、「オーステナイト系ステンレス鋼のレーザ溶接時のプールの流体の可視化」、「セラミックスとグラファイトに係る接合」、「粉末冶金で作製されたTi合金への添加元素の添加による強化」他の共同研究を実施しました。

活動初日と二日目にはオリエンテーション、当研究所施設見学、及び受け入れを行う各研究室の研究紹介などを行いました。最新機器が揃う当研究所の施設見学では各機器の利用法や用途について活発な質問があり、熱心に施設見学を行いまし

た。滞在中は各研究室における指導教官始め、学生から様々な指導やアドバイスを貰いながら研究を進めました。

8月8日（月）には当プログラムの最終報告会を開催し、各参加者は3週間の研究報告を行いました。短い滞在中にも関わらず、充実した研究活動の様子が伺え、いずれも今後の展開が期待できる内容でした。

参加者からのコメントでは、「当研究所の充実した研究設備に感動し、研究に対する様々なインスピレーションを受けた」、「自分の研究テーマについて非常に有益なアドバイスを沢山もらい、是非再度接合研に戻って研究を続けたい」、「初めての海外渡航だったことから、研究は勿論、日本の文化や生活、食事など様々なことに多大な刺激を受けた」などの感想がありました。

この機会を通じ、これまでのさくらサイエンスプラン同様、本活動の受け入れのみで終わるのではなく今後も参加者及び派遣元の連携大学とは密な連携を図ることで、より活発な国際連携に結びつくよう、取り組みを継続します。参加者の抜粋コメントについても掲載していますので、ご覧ください。



Comments on JST Sakura Science Program at JWRI, Osaka University
Collaborative Research Activity Course



Period: Jul. 20-Aug.9, 2016

Name: Trinh Quang Ngoc

University Name: Hanoi University of Science and Technology

For the first time to Japan.

This is first time I go to a foreign country. So before coming here, I couldn't imagine how Japan like and I was excited for this trip.

During the time in here, there are many things impressed me. The first days, I didn't get used to Japanese food. But the day after that, I started to like them and recognize Japanese food is delicious and very healthy. I really like them.

I think the traffic in Japan is very convenient, I rarely seen traffic jam, it is different with my country. Because of Japanese always abide by the law. It is very good.

I feel very lucky to me because I have some Japanese friends who participated in Couple Internship (CIS) program with me last year. They are very funny and friendly. They helped me a lot. They took me to eat, took me to some common place such as Expo City, Osaka Universal. We had a great time.

During working in JWRI, I learned a lot of things. Many machines and technology that I have been seen and used before. It is very helpful and good for me. I think that the working environment in here is very good. The facilities and equipment are suitable for working and research.

Although it is hot season in Japan, but I really felt good with the air in here. I liked to walk in the evening, there are a lot of trees in the university and that made me comfortable. I enjoy the time in here. I would like to have a chance come back to Japan, whether for work or tourism.

Again, I would like to give my sincere thanks to Prof. Tanaka, Prof. Tashiro, Prof. Katsumata, Ms. Oba, Mr. Van Anh who helped me a lot during this time.

Thank you very much!

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Period: Jul. 20-Aug.9, 2016

Name: Didi Rooscote

University Name: University of Indonesia

It was a wonderful experience to join Sakura Science Program at JWRI, Osaka University. I have enjoyed many moments during this 3 weeks, met lots of good people, visited some interesting places in Japan, recognize and learn about Japanese culture. Japanese people are very kind and friendly attitude. Everything is very systematic, orderly, tidy and high technology. In Japan, it is very difficult to find trash or garbage across the street.

I really enjoyed being a part of Ito Sensei Laboratory. It is very comfort when we are discussing about our research. Many advance characterization in laboratory which makes easily us to obtained data of our experience. Finally, next time, I hope to have another chance visiting Japan again.

"Every experience makes us grow and the teacher of all things. Some lesson can't be taught, they simply have to be learned".

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Period: Jul. 20-Aug.9, 2016

Name: Atchara Khamkongkao

University Name: Chulalongkorn University



First of all, thank you so much for give a good opportunity to me to join Sakura Science Program at JWRI 2016. I appreciated in very thing during this program. JWRI has a good atmosphere to do research due to this institute has facilities, easy to access(under JWRI staff) and free service. All professors have high knowledge and high technology. Moreover, researchers, JWRI staffs, and students are very kind. I learnt many new things from them. I met friends from other country and had a good memories during Sakura program 2016. For me, three weeks is too short to learn more in JWRI but this is first and important step to make a strong research collaboration between Chulalongkorn University and JWRI in the near future.

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Period: Jul. 20-Aug.9, 2016

Name: Chun-An Yang

University: National Taiwan University



First, I want to thank JWRI and JST provide us such a good opportunity for us to understand the laboratory and research topics in JWRI, and can do some research and experiment with researchers in similar research background. Prof. Nishikawa's lab has lots of excellent and complete equipment for my research topic. I can do the bonding process, mechanical property test, thermal aging, and observation of microstructure in here. It's very convenient and I can get the experiment results immediately, so that I can adjust and modify my bonding process in a short time. Because my research topic is new for my lab in Taiwan, we don't have full-equipped instruments, and I have to go to another school to conduct several experiments. It's time-consuming and I can rarely discuss with people whose research field is similar with me. However, my research topic is very similar with Prof. Nishikawa's lab, so I can do all of my experiments here and have many experiments to try. Further more, I can discuss and exchange a lot of experimental details and suggestions with the students in Prof. Nishikawa's lab. We can learn many things by discussion and come up with many brilliant ideas together. Thus, I have gained a lot of experience, knowledge and different points of view about my research. Besides, by learning their experimental details, I have found several good ways to improve my experiments, too.

Thus, I truly hope that I can come to Prof. Nishikawa's lab again and do more research for a longer in this year or maybe next year! (As soon as possible :D) I think my advisor in Taiwan, Prof. Kao, will support me to come here and do more experiments! I hope that we can make a good collaborative research plan in the future!

Thanks again for everything. I really enjoy staying here and the people here are very nice. Osaka is also a very beautiful and interesting city!

Thus, if there's any collaborative research program or research plan between JWRI and National Taiwan University, please let me know. I really want to come here again and do more experiments, as soon as possible!

Thanks. :)

Chun-An