

CIMPA Research in Pairs (report)

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I. Informations

Name: Real

First name: Rommel

Home Institution: University of the Philippines Mindanao

Total duration of the stay: 45 days

Host colleague (first name, last name, city, country): Werner, Frank, Wurzburg, Germany

II. Activity Report

I did my research on inverse problems. We focused on a regularization method that can be both convergent and at the same time practical to implement for large-scale problems such as in imaging. The topic involves my expertise on regularization theory. My host has a wider knowledge especially on the statistics side, and that allowed me to expand my current knowledge. Towards the end of my stay, we accomplished a good amount of results in a draft paper and we continue adding more so we can publish it.

Aside from meeting with Frank every day for research and lunches, I had great time with the people in the Institute of Mathematics of the University of Wurzburg. I had an office which I attended every day and interacted with their faculty, staff, and students. I also attended a good amount of colloquiums, seminars, a PhD defense, and the institute's poster presentation followed by a summer barbecue. Frank helped me settle in from my arrival. I had a great time in Wurzburg overall.

I hope to keep working with Frank since I learned a lot of new directions with him, so another fellowship would be great. Also hoping to invite Frank in the Philippines for a CIMPA school or a CIMPA course in my home university.

My one week stay in CIRM was also fantastic. I also met other colleagues doing a separate event, so I got some people to explore the Calanque and the campus itself. The recording of my online course went smoothly.

I have sent photos to CIMPA via e-mail.

III. Feedbacks

The overall programme is great and I am forever grateful for it. If I can give an advice to laureates, I would say to do their fellowship in Germany since they still use a lot of cash which is convenient for almost anything from purchasing goods to commuting. They can easily use the financial support in cash so no need to worry about. If travelling to CIRM from outside France on a summer, allow enough travel time (around 24 hours) of travel time to account for any potential delays due to train and flight disruptions. Take a morning flight if possible. If traveling from Germany, book with Lufthansa since they can also include booking the train from your city to the airport. When you missed your flight due to train delays, Lufthansa will rebook your flight at their own expense.

Also apply for visa as early as possible to make flight bookings more convenient.