（別紙様式５）

変革を駆動する先端物理・数学プログラム（FoPM）
国外連携機関長期研修　報告書

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日程	西暦　2025　年　9　月　2　日　～　西暦　2025　年　11　月　28　日

For three months, I was in Paris as a visitor to École Normale Supérieure and worked on a joint project regarding Monte Carlo methods for classical statistical physics. I was responsible for optimizing the current implementations so that we could analyze subtle non-equilibrium phenomena. The project is going well, but unfortunately, I cannot explain the details here since it is to be published later; here, I just note that the code became approximately 100x or even 1000x faster than before. Instead, I would like to tell you about my daily life in Paris.

Paris is a mysterious city: everything is expensive, no train arrives on time, streets are full of trash... But still, I cannot hate it (or even love it). My typical day began with taking the RER B, which is very infamous in Japan for safety issues though it was just fine for me. When I arrived at ENS, what I did was to wait in front of the gate as I couldn't get a visitor pass, but don't worry, I saw many other people doing the same. This is the ENS-style. Once I entered, what I did was to find a vacant desk in the student office. In the room my colleague Gabriele Tartero was working, and we had countless discussions there without any prior appointment, sometimes with our supervisor Werner Krauth. This kind of flexibility is one of the greatest things about ENS: we can discuss dynamically whenever we want, while this fluidity sometimes resulted in a desk shortage. Around 12 PM, together with Gabriele and his friends, I went to the canteen to have lunch. Strictly speaking, where I went was not the canteen. It's a cafeteria next to it, solely because I couldn't get the visitor pass. This was also just fine, because the cafeteria was good enough, and again I encountered many others doing the same. During lunch we had a lot of conversations in English, sometimes about physics, sometimes about funny stuff. After lunch, we often had a coffee break in the public coffee room. As you might expect, since we were having this break after lunch, usually it was already around 1:30 or even 2 PM. Before the visit I would say it's too long, but now that I returned to Japan, I assure you it was one of the essential parts of my stay. After the break, I worked until around 6 PM and then went back. On the way home, my routine was to grab a baguette and look for something interesting in nearby supermarkets. The supermarkets themselves were also not so tidy, but I really enjoyed randomly looking over various products that I had never seen in Japan. What about baguettes? Trop bien!

On holidays, I never ran out of things to do in Paris. I visited Musée du Louvre, Arc de Triomphe, Sacré-Cœur, etc., and had wonderful French foods. That was, needless to say, an amazing experience. Sometimes I went out of Paris or even France, not only by plane but also by train. For me being Japanese, crossing borders by train was really something. It's just going to Nagoya, but once you cross the border, everything changes. Isn't it fascinating? Of course, during these short trips I encountered many troubles (train delays, strikes, etc.), but they were all trivial compared to the excitement I felt. If I were asked whether I would do similar trips again, I would definitely say YES. I also had many issues in daily life, but I managed to solve them with the help of Gabriele and the local people. Sometimes French people are said to be cold, but it was not my experience at all. Here I would like to express my gratitude to the room host, who came to my flat immediately to fix WiFi problems.



I hope you understand how much I enjoyed my stay in Paris. Things might not go smoothly there, but with flexible attitudes, they somehow work eventually. Time flies slowly in Paris.