



**Application instruction and requirements
for LIMMS internship FY 2023
On “*Heterostructure cooler fabrication and
characterization*”**

1. Please send the following items to: <limmsadm@iis.u-tokyo.ac.jp>

1. CV
 2. Motivation letter
- Candidates are kindly advised to send us the requested documents with an e-mail subject “Heterostructure cooler fabrication and characterization” FY2023 followed by the candidate’s full name. Sending documents with a different e-mail subject might be at risk of being overlooked.

2. Submission Deadline (Closing date) for applications is 21st November 2022.

- Please note that due to our administrative procedure, we cannot accept your applications AFTER the deadline.
- Due to a large number of applications, it is not possible to reply to you if you are not shortlisted. If you have not heard from us within one month of the closing date, please assume that your application has not been successful on this occasion.

3. Internship description

LIMMS opens a new internship position in the laboratory of **Prof. Kazuhiko Hirakawa.**

Location: LIMMS/CNRS-IIS (IRL 2820), 4-6-1, Komaba, Meguro-ku, Tokyo, Japan

Internship title (project subject):

“Heterostructure cooler fabrication and characterization”

Internship duration: 1 to 6 months

Accommodation support: 60 000 yens / month for maximum 6 months (360 000 max.per person)

Expenses: Airplane tickets and incidental expenses are not covered by LIMMS.

Contract: Up to 6 months. An internship contract between IIS-UTokyo and the French school will be finalized, which will define the rules and obligations (both overseas travel accident insurance and liability insurance) during the stay at LIMMS/CNRS, IIS UTokyo.

Starting & Ending dates: The internship should start on the 1st of March 2023 or beyond and finish before the 31st of March 2024.

Visa: Students who will participate in the program for more than 90 days must have a visa. An administrative procedure takes about 3 months.

Job Duties

- Clean-room facilities
- Sample fabrication

Skills and Experience

- Basics of quantum physics and semi-conductor physics.
- Eventually nano-device fabrication

Other

- Deep insight in quantum phenomena
- Thermoelectricity at the nanoscale

4. Notification of results

After approval by the screening committee in LIMMS, notification of the acceptance will be sent both to the intern and the host professor of LIMMS.