

PhD Student Research International Mobility (SRIM)

Applications will be reviewed as they are received and within 3 weeks of submission. Please allow about three months between acceptance of your application and your departure.

1 General framework and objectives

Main Objective: the ISFIN PhD program aims at strengthening education through research, developing student disciplinary and interdisciplinary skills and knowledge, and internationalizing student education cursus.

To that aim the ISFIN PhD program opens a call for PhD student international mobility (from 6 weeks up to 3 months outside France). The philosophy of the call is to let you, PhD students, realize your own project as long as it remains within or around the thematic area of the institute.

Laureates will be provided with a budget suitable to realize their mobility, which can serve different purposes:

- Move to another laboratory to learn a new technique
- Move to another laboratory to work on your PhD subject or on a subject slightly different from the PhD topics (but somewhat related to)
- Start a collaboration with another PhD student, with a researcher,...
- Test an idea, an assumption in a laboratory equipped for
- Get the label “**Doctorat Européen**”¹. This label requires a 3-month mobility and other rules related to the PhD defense (reviewers, committee members, language)
- Any other good motivation...
- **Mobility within the CIVIS European Campus is strongly encouraged (see appendix)**

Secondary objective: grant proposals are common in present day research as well as in the industry. In order to help you developing soft skills, this call for mobility is formatted as an usual grant proposal, including a technical/scientific description of the project, motivation, scheduling, and budgeting, as well as a feedback report after the mobility.

2 Eligibility

1. The student’s PhD research must be consistent with ISFIN’s focus areas related to nuclear science.
2. The PhD student has to be affiliated to an AMU doctoral School
 - a) The PhD supervisor or co-supervisor is belonging to an AMU lab, in that case 100% of expenses mobility can be covered by ISFIN in the limit of the budget available
 - b) Candidates supervised exclusively by a non-AMU advisor (e.g. CEA, ASNR...) are eligible to apply; however, in such cases, the PhD project must include a co-funding commitment, the ISFIN will cover the travel costs only.
 - c) The PhD contract or PhD employer must allow the student mobility
3. The PhD contract must not end within the mobility period
4. The host institution can be located anywhere in the world but outside France

¹ Label “[Doctorat Européen](https://www.univ-amu.fr/fr/public/label-doctorat-europeen)”: <https://www.univ-amu.fr/fr/public/label-doctorat-europeen>

5. The proposal must be completed (template filled, including the PhD supervisor(s) agreement, agreement of the host person)
6. Co-financing is not mandatory, but it could be a plus.

3 Evaluation

Evaluation will be made by a committee within ISFIN on the basis of the project submitted by the PhD student.

4 In practice

The ISFIN institute aims to support the mobility of as many students as possible. If the total budget required to fund all positively evaluated proposals exceeds ISFIN's allocation for this action, ISFIN may set a maximum funding amount per mobility. In such cases, the student may need to secure additional co-funding from another source (laboratory, research teams, etc.). Cost-sharing may also be proposed directly in the application when dedicated funds are available, although this is not mandatory.

A scientific project must be co-constructed with the host institute and a mobility project in English must be submitted to the ISFIN institute. The project includes (see template):

- Background, motivation and objectives, scientific description
 - Risks management and contingency plan
 - Personal and academic impacts
 - Work plan
 - Budget including justification for required resources and possibly complementary funding
- **The project must receive the agreement of the PhD supervisor(s)**
 → **The project must receive the agreement of the the host institution**

5 Timeline and submission process

The project must be submitted by email to: isfin-direction@univ-amu.fr

Funding decisions will be made on a rolling basis until the budget is exhausted. The earlier in the year you submit your project, the better.

The results of the evaluation will be announced within three weeks after the submission of the project (except during summer vacations where longer delays are to be expected).

6 Appendix

6.1 CIVIS

CIVIS is a European University Alliance created under the European University Statute, and merging together 10 universities: l'université d'Aix-Marseille, l'université libre de Bruxelles, Universidad Autónoma de Madrid, Stockholm Universitet, National and Kapodistrian

University of Athens, University of Bucharest, Sapienza Università de Roma, Eberhard Karls Universität Tübingen, Glasgow University, Salzburg University, Lausanne University.

You are free to contact any laboratory belonging to the CIVIS alliance.

More information about CIVIS: <https://civis.eu/fr>

6.2 ISFIN research topics

- Edge plasma physics and plasma wall interactions
- Physics of confinement in magnetized plasmas
- Nuclear instrumentation and detection: sensors/detectors, hardened electronics
- Materials and Structures: characterization and modeling
- Thermal diagnostics and characterization of thermodynamics properties
- Nuclear science and Society

This last topic includes research related to many fields, in particular in human and social sciences, radioprotection, health and medicine...

6.3 ISFIN laboratories

ISFIN members belong to one of these laboratories:

- PIIM
- IM2NP
- LMA
- IUSTI
- M2P2
- I2M
- CPT
- MESOPOLHIS
- DICE
- FRESNEL

PhD students whose supervisor (or co-supervisor) belongs to an AMU laboratory not listed above must contact the ISFIN direction to check whether their topic is eligible for mobility.

→Form to be sent before to: isfin-direction@univ-amu.fr

▪ **Mobility project title:**

▪ **Principal investigator:**

First name:

Last name:

Ph.:

E-Mail:

AMU Doctoral School:

Specialization:

PhD start date:

PhD funding (Doctoral School, ANR, contract...):

▪ **PhD topic:**

▪ **Home AMU laboratory involved in the supervision or co-supervision of the PhD thesis:**

PIIM

IUSTI

CPT

FRESNEL

IM2NP

M2P2

MESOPOLHIS

Other (to be

LMA

I2M

DICE

precised):

If you tick the "other" box, please contact ISFIN direction to check whether your topic is eligible for mobility : isfin-direction@univ-amu.fr

▪ **If appropriate, partner involved in the supervision or co-supervision of the PhD thesis:**

CEA IRESNE

ITER org

EDF

CEA IRFM

ASRN

Other (to be precised):

▪ **PhD supervisors and co-supervisors:**

PhD supervisor name, laboratory,
institution:

PhD co-supervisor name, laboratory,
institution:

▪ **PhD supervisors or co-supervisors detailed opinion (max 10 lines):**

PhD supervisor signature

PhD co-supervisor signature

▪ **Collaborative context:**

Collaboration between the host laboratory and the home laboratory already exists:

- No
 Yes (please, specify):

▪ **Mobility period envisaged:**

▪ **Host laboratory contacty person:**

First name, surname:

E-Mail:

Position:

Laboratory:

University/institution:

Country:

Adress:

▪ **Host laboratory contacty person detailed opinion (max 10 lines):**

Signature of the contact person:

▪ **Scientific project:**

The project must be at maximum 4 pages long (font size 12)

Summary of the mobility project: ½ page max

Give a brief summary of the mobility project.

Background, motivation and objectives, scientific description of the project: 2 pages max

Present the context of the mobility (scientific with a brief state of the art and collaborative), your motivation and objectives. In relation to your objectives, present the reasons to move into the chosen host team.

Risks management and contingency plan: ~ ½ page max

Outline possible risks (unexpected events that could prevent the realization of the project) and detail risk mitigation (backup solutions...).

Personal and academic impact: ~ ½ page max

How will this mobility impact your PhD research work, your knowledge in science, your personal development? How this mobility will impact science?

Planning/timeline (possibly including a Gantt diagram): ~ ½ page max

Present the expected timeline of your work during your mobility.

Budget including justification for required funding, complementary funding if relevant: ~

½ page max

ISFIN is funding travel related costs (flight, train, accommodation, meals). Meals costs should be evaluated on a basis of 40€ a day. Please contact the ISFIN for any question regarding budget.

Obligatory publication and communication rules

If the mobility project is granted, the PhD student agrees to comply with ISFIN and AMIDEX publication rules for any publication or communication related to the project.

1. Oral and poster communications and websites must display the AMU and

"Investissements d'Avenir" logos:

- To download the "Investissements d'avenir" logo : <https://amubox.univ-amu.fr/s/M2SynDxqky8dmG>
- To download the "AMU", "A*Midex", "ISFIN" logo: <https://institut-isfin.univ-amu.fr/fr/ressources>

2. Publications from the institute will bear the mention:

- *"The project leading to this publication has received funding from the Excellence Initiative of Aix-Marseille University - A*Midex, a French "Investissements d'Avenir programme" **AMX-19-IET-013**".*

3. Publications must be deposited in HAL AMU, the University's open archive, in the A*Midex collection:

- For these, the full text of the final version accepted by the publisher is required.
- To access HAL AMU/A*Midex : <https://hal.archives-ouvertes.fr/AMIDEX>.

Obligatory commitments

If the mobility project is granted, the PhD student agrees to provide a short report (2 pages max.) on the work carried out during the mobility. This short report will be required before any reimbursement of expenses.

A short testimony of 1000 **characters** (including spaces) describing the mobility experience, with a minimum of 3 pictures in high resolution (including a portrait) ; Or a short movie (one minute max.).

Name and signature: