

**M1 Mosig**

# **Research projects -- 2025-2026**

**Gregory Mounié and Thomas ropars**

# Agenda

- Important dates
- Procedures
- Labs in the Grenoble area
- List of internship offers
- Organization of the internship
- Summer internship

# Important dates

## Research methodology training

- December 9 – December 12

## Research project

- **Part time period:** January 26 - April 24
  - 2 half-days per week
- **Full time period:** May 11 - June 5

## Defenses

- June 8 - June 12

# Procedures

Once you have been accepted for an internship by a researcher/advisor:

## **Step 1: Validation by the M1 MoSIG academic supervisors**

- Write **to both** T. Ropars and G. Mounié
  - Tag the subject of your email with [M1 Mosig Internship]
- Main validation criterion: doing CS research inside a CS research team

## **Step 2: Prepare the paperwork with the administrative services of the University**

- “Convention d’accueil” or “Convention de stage” depending on the situation
- At Ensimag or UFR IM2AG depending on your student registration
- Detailed information available on the MoSIG Web site ([here](#))

# Where to look for internships

## Database of Master internship offers for Grenoble CS students

- [Pcarre platform](#)

## List of offers collected by us

- See link on the [M1 Mosig website](#)

## Search for interesting topics and contact researchers

- More information in the next slides

# Academic labs/institutes in the Grenoble area

## In alphabetical order:

- [GIPSA-Lab](#): Images, speech, signal and control (~16 teams)
- [G-SCOP](#): Production systems, product design and operational research (~6 teams)
- [LIG](#): Grenoble Laboratory in Informatics (~22 teams)
- [LJK](#): Laboratoire Jean Kuntzmann (Applied mathematics and computer science) (~17 teams)
- [TIMA](#): Informatics and Microelectronics for integrated systems Architecture (~4 teams)
- [TIMC-IMAG](#): Computer science and applied mathematics for understanding and controlling normal and pathological processes in biology and healthcare (~12 teams)
- [Verimag](#): Embedded systems (~5 teams)

--

- [Inria](#): Research institute in computer science, applied mathematics and control (~23 teams)
  - Most teams are joint teams with other labs

# Some other labs in the area

- [CEA](#): R&D in defense and security, energy, technological research for industry, physical sciences and life sciences.

## Industrial labs:

- Bull Atos (AI, HPC, smart energy, ...)
- Naver Labs (computer vision, natural language processing, machine learning, optimization)
- Orange Labs
- Schneider Electric
- HPE (AI, HPC, Telecom, Edge, ...)
- STMicroelectronics, Kalray, ...
- Apple, Google, Huawei, Salesforce, ...

# Some advises

## Applications by email

- Have low success rate
- If you contact researchers by email, make your email specific
  - People do not answer generic emails that look like it could have been sent to a lot of people with the same content
  - Document yourself about the research activity of the group/researcher in advance
- Do not hesitate to send a reminder after a few days (10 days?)

## Leverage your contacts

- Face-to-face interactions with teachers
- Meetings/seminars

## About Published/on-line offers

- Possible to apply even if they are not initially framed for M1 internships (e.g., M2, PhD), or not for the current academic year

# When meeting a researcher

## **Come prepared**

- Have an idea of the topic
- Try to prepare questions (organization and research)

## **Be transparent**

- Be clear about your current skills and ongoing training
- It is normal that you are not an expert yet

# Finding research publications

To better understand the activities of some groups/researchers, you may want to take a look at some of their recent publications

Some web sites to retrieve list of publications and accessing documents:

- [Google Scholar](#)
- [HAL](#)
- [DBLP](#) (mostly for lists, not for documents)
- [Arxiv.org](#)

# Organization of the internship

## Finding the internship

- **As soon as possible**
  - Each team has a limited number of opportunities. Don't miss them!!
  - At last, **before the Christmas break**
    - In case a security check is needed, end of November might be a safer deadline

## The part-time period

- 2 half-days per week
- Main goal: Getting familiar with the topic
  - Reading related publications
  - Learning how to use the platforms and tools
  - Defining more precisely the objective of the internship
- An **intermediate report**
  - 2 pages + bibliographic references
  - Background + Preliminary ideas + Plan for the full-time period
  - Deadline: End of part-time period

*Detailed information about the format of reports and deadlines will be provided later*

# Organization of the internship

## The full time period

- Implement and evaluate your ideas
- A **final report**
  - 6 pages + bibliographic references
  - In the style of a research article
  - Deadline: End of the full time period

## The defense

- Present your work in front of a jury
  - Expected format: 10 minutes presentation + 10 minutes questions
  - Deadline: Slides to be submitted the day before the beginning of the defenses

*Detailed information about the format of reports and deadlines will be provided later*

# Summer internship

- The project may be continued during the summer (~ 1-2 extra months)
- You may also want to do another internship (completely unrelated to the research project).

## About summer internships:

- They are **completely optional**.
- They will not be evaluated in the context of M1 MoSIG.
  - Free subject in CS (no validation of subject, no evaluation, no grade, no ECTS)
- They requires extra administrative procedures.