

SPIM



UBFC

UNIVERSITÉ
BOURGOGNE FRANCHE-COMTÉ

**Ecole Doctorale SPIM
Doctoral School SPIM**

Sciences Physiques pour l'Ingénieur et Microtechniques

Sciences for Engineering and Microtechnologies

<http://ed-spim.univ-fcomte.fr/>





Missions of the PhD Graduate Schools in France

- Organize of the PhD training**
- Prepare and help for the professional insertion**
- Contribute to students with a multidisciplinary culture as part of a coherent scientific project**
- Contribute to the coherence and international visibility in the supply of doctoral training institutions as well as structuring sites**
- Bring together units and recognized research teams**
- Implement a policy for choice of PhD student**
- Ensure the quality of supervision of doctoral students and ensure respect for the Charter of theses**
- PhD students are able to prepare and defend their theses in the best conditions**
- Organize scientific exchanges between PhD students**

SPIM What is your PhD graduate school ?

Boundaries of ED SPIM

Laboratories:

- FEMTO-ST
- Nanomédecine
- ICB through 2 axes of the laboratory
- LE2I
- DRIVE
- Research groups of UTBM that will be integrated in the laboratories



Grouping of all thematic ICT and SPI
in Burgundy - Franche-Comté



What is your PhD graduate school ?

Research laboratories (until 2016) : FEMTO-ST, LE2I, DRIVE, Nanomedecine, IRTES, OPERA

Somes Figures (2015/2016):

HDR: 210 (active researchers as defined in HCERES)

- FEMTO-ST: 115
- Nanomédecine: 3 for SPIM
- SET, LERMPS, M3M, OPERA: 38
- LE2I, DRIVE: 57

Defended thesis in a year: average **110**

Average duration of a PhD: currently: **3,5 years**
(We must aim at **40 months**)

PhD Student: 443

- UFC (FEMTO-ST, nanomédecine): 213 (of which 49 first year)
- UTBM (SET, LERMPS, M3M, OPERA): 123 (of which 36 first year)
- UB (LE2I and DRIVE): 103 (of which 24 first year)



What is your PhD graduate school ?

Scientific Strategy of the SPIM Doctoral School

- Grouping the STIC and SPI scientific themes of Bourgogne / Franche-Comté
- Support the international exchanges and the cooperation
- Give a training program well adapted to PhD needs and level
- Policy of excellence from recruitment to thesis defense

Priority scientific themes:

- Microsystems and microtechnologies
- Optics, microscopy, telecommunication
- Fabrication processes, mechanics, mechatronics, materials
- Information sciences
- Control of complex systems
- Electronics
- Energy
- Time and frequency



What is your PhD graduate school ?

Governance

Directorate: One director and one assistant director

Doctoral council of ED SPIM: 25 members

First part (institutions and research units): 13 + 2

FEMTO-ST: 7 representatives (1 representative from each department) + 1 Ing,

LE2I: 3 + 1 Ing

DRIVE: 1

Nanomedecine Lab : 1

ICB : 1

Second part: 10 members :

**- 5 PhDs elected with a key distribution (3 Besançon, 1 Dijon and 1 Belfort)
(voting in January 2017, your contact to be active in the ED functioning)**

- 5 representatives from outside of Doctoral School.

Permanent Guests:

- the director and the assistant director
- The director of the laboratories

A pedagogical commission

A board



Organisation, contacts

web site: <http://ed-spim.univ-fcomte.fr>

email: ed-spim@univ-fcomte.fr

Director: Pr. Philippe Lutz (until december 2016), Pr. Thérèse Leblois (January 2017)

Assistant Director: PrEl-Bay Bourennane

Secretariats ED

BESANCON : Alexandrine Vieillard 03.81.66.66.02

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Courses (UFC and sciences) : Emilie Faivre 03.63.08.26.46

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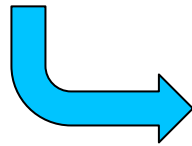
Courses (UB mutualisé) :

Morgan Poggioli

morgan.poggioli@u-bourgogne.fr

As PhD, you are in the same time :

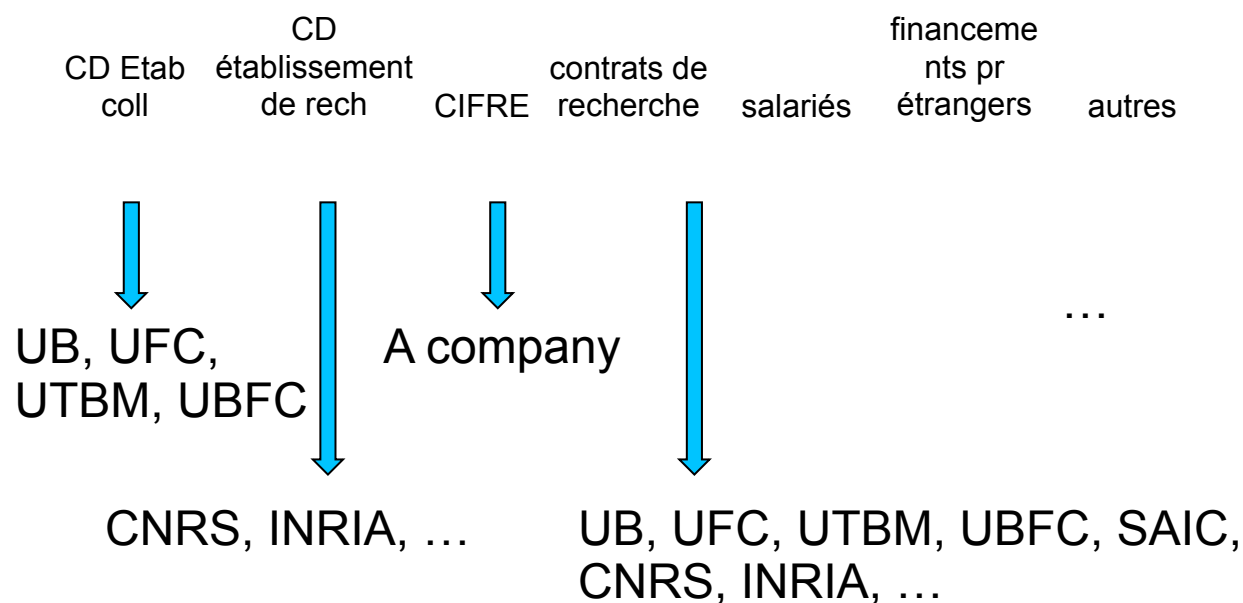
- A student
- An employee, professional of the research for your laboratory



**You must respect the procedures of
your institution, your company, your
laboratory and your doctoral School**

Nature of your contract:

All Phd students have a funding for doing their research (excepted few cases from people from the industry or academic domains who are already employed as engineer or teacher)

Nature of your contract:**→ You have an employer****→ Your contract (for 3 years) depends on your employer**

when you want to move for your research activities (conferences, visiting a research team, ...), you need to do a mission statement from your employer. Please, respect the delay.

SPIM PhD (contracts, procedures)

Depending on your contract and your employer, the procedures for the PhD life can be different:

- Case of the Doctoral contract (« contrat doctoral »)
 - your employer is an institution (UB, UFC, UTBM, UBFC, CNRS, ...)
 - complementary activities (teaching, councils for example) are possible but strictly defined through an amendment (defined by the law) and the salary is also defined by the law.
- Case of fixed term contract (« contrat à durée déterminée »)

Complementary activities are possible with the agreement of the supervisor

All the procedures are indicated on the website or given by the secretariats:

- **To register (every year)**
- **To know the document you have to furnish**
- **To know the possible courses and to prepare your training plan**
- **To prepare your defense (time to respect, reviewers, committee)¹⁰**

What kinds of support you can get?

Charter for PhDs

PhD representatives at Doctoral School Council and at training commission

Appeal to the Director of ED, re-registration, scientific assessments

First year check-up: a questionnaire for PhD students and a questionnaire for the supervisors (Have you understand the expected competencies ?)

Systematic mid-term interviews (2nd year interview):

- **Objective:** an update on the progress of the thesis and possibility to give an alert
- **Process:** a preliminary questionnaire followed by an interview beginning with a presentation of the PhD student
- **Participants:** PhD student, supervisors, a representative of the PhD school, the local host

➔ In case of problems, contact your PhD school

What kinds of support you can get?

Financial support:

- partial support for participation in international conferences, summer schools, periods in foreign laboratories
- partial support for days or discussion and scientific exchanges between PhD
- international training and exchanges
- partial support for a foreign member of the defense committee

Technical support:

- preparation of joint supervision contract between UFC and foreign university
- ERASMUS Mundus

Examples of cooperation:

- Involvement for Student chapters (OSA, SPIE, IEEE Chapter)
- ERASMUS Mundus « TARGET » (3 PhD exchanges)
- FORMITEC and SYMLE (european support for EPFL/UFC cooperation)
- Joint supervision contracts at SPIM: on average 30



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