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

Some 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 functionning)
- 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
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 Nord Franche-Comté : Danielle Bertrand 03.84.58.31.39 danielle.bertrand@utbm.fr
Courses (UB mutualisé) : Morgan Poggioli morgan.poggioli@u-bourgogne.fr
PhD (contracts, procedures)

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)
PhD (contracts, procedures)

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.
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 »)

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)
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
Organisation, contacts

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