Doctoral School Sciences for Engineers
(Ecole Doctorale Sciences Pour l’Ingénieur SPI-072)

D2Day


Oct. 2020
Thanks to organisation team

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D2 Day program

• 10:00 a.m. to 10:20 a.m.: Presentation of the day and of the Doctoral Candidates in Science in Lille ADSL.

• 10:20 a.m. to 11:00 a.m.: Reminder of the organization and the thesis defence rules.

• 11:00 a.m. to 11:20 a.m.: Break

• 11:20 a.m. to 12:30 p.m.: Pursuit of a career in the public sector (CNU, INRIA, CNRS, ATER and Post-Doc)
Scheme

- SPI Doctoral School
- Training Courses
- Individual Monitoring Committee (CSI)
- PhD Defence
- After PhD
- Questions
SPI Doctoral School
15 Doctorate specialities for 6 SPI

**Disciplinary fields**

<table>
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<tr>
<th>Disciplinary field - DED</th>
<th>Doctorate speciality</th>
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<tr>
<td>Computer - L. JOURDAN</td>
<td>Informatique et applications</td>
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<tr>
<td>Mathematics – P. POPESCU-PAMPU</td>
<td>Mathématiques et leurs interactions</td>
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<tr>
<td>Electrical – N. IDIR</td>
<td>Génie Electrique</td>
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<tr>
<td>Electronics – H. HAPPY</td>
<td>Electronique, photonique</td>
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<tr>
<td>Electronics – H. HAPPY</td>
<td>Electronique, microélectronique, nanoélectronique et micro-ondes</td>
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<td>Electronics – H. HAPPY</td>
<td>Micro-nanosystèmes et capteurs</td>
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<td>Electronics – H. HAPPY</td>
<td>Acoustique</td>
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<tr>
<td>Mechanical – D. CHICOT</td>
<td>Génie civil</td>
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<tr>
<td>Mechanical – D. CHICOT</td>
<td>Énergétique, thermique, combustion</td>
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<td>Mechanical – D. CHICOT</td>
<td>Mécanique des milieux fluides</td>
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<tr>
<td>Mechanical – D. CHICOT</td>
<td>Mécanique des solides, des matériaux, des structures et des surfaces</td>
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<tr>
<td>Mechanical – D. CHICOT</td>
<td>Mécanique, énergétique, génie des procédés, génie civil</td>
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<tr>
<td>Control – L. BELKOURA</td>
<td>Automatique, productique</td>
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<tr>
<td>Control – L. BELKOURA</td>
<td>Traitement du signal et des images</td>
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<tr>
<td>Control – L. BELKOURA</td>
<td>Informatique, Automatique</td>
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Main missions of SPI Doctoral School

- Agreement for PhD registration in co-accredited institution (Centrale, ULille, IMT, UPHF, UGE)
  - Documents needed for an application to doctoral studies (transcripts, motivations, ...)
  - Funding (proof of funding for the PhD duration)
  - Support letter from the proposed supervisor and agreement of the laboratory director
  - Agreement for the joint supervision and awarding of a double doctoral degree
- Individual Monitoring Committee (CSI) (at D1 for D2 and at D3 for D4)
- Doctoral trainings (with Doctoral College)
- International mobility grants for PhD students (with Doctoral College)
- Agreement for the PhD defence
  - Number of required CFDs
  - PhD committee and reviewers
  - Reports by reviewers before defence
Not supported by SPI Doctoral School

- PhD annual registration in the institution (Centrale, ULille, IMT, UPHF, UGE).
- Mobility grants for participation to doctoral trainings or conferences.
- Organisation of the PhD defence.
- Doctoral degree printing.
SPI politics

- SPI admission rules
  - Topic is defined by the supervisors and research unit.
  - HDR supervisors manage a limited number of doctoral students (4 supervised or 8 co-supervised students).
  - Employment contract of 36 months for doctoral study is required.
  - Candidates are selected by SPI through a well defined process and according to demanding academic criteria.
SPI politics

- SPI doctoral students in computer, control, electrical, electronics, mechanical and mathematical sciences
  - conduct training-by-doing research, under the scientific and personalized direction of supervisors within 36 months.
  - are young researchers who are integrated in research units.
  - develop skills beyond their area of scientific expertise.
SPI politics

- SPI rules
  - Before D2 (or D3 for 2020) : agreement of the individual monitoring committee (CSI).
  - Before defence : a number of training credits (120 h on thematic-methodology and language-professional skills) must be validated.
  - D4 registration is exceptional and needs a new CSI.
Training courses
Training courses

The number of credits (CFD) to be collected depends on the PhD type:

- **60 CFD** including at least 20 CFD on professional training for a full time PhD student.

- **30 CFD** in three training areas for a PhD student with a joint supervision between two institutions of different countries (co-agreement).

- **40 CFD** distributed in the area of thematic training and research methodology for CIFRE PhD Student.

- One course about ethics must be followed
Training courses

All PhD students must collect a number of credits following their participation in doctoral training in the three areas:

- Thematic training (summer schools, master classes, training courses organized by the laboratory or SPI, technical courses);
- Training related to language, research methodology or research tools (organized by SPI or Doctoral College);
- Professional training (organized by Doctoral College).
- One course about ethics must be followed

- 2020: 20 CFD can be obtained by MOOC.
- 2 hours -> at least 1 CFD.
Registration to training courses (ADUM)

You must have an ADUM account number!
Registration to training courses (ADUM)

- **Training module list**
  - Trainings courses offered by SPI
    - French foreign language
    - English
    - Scientific trainings.

- Transversal training courses offered by Doctoral College
  - Doctors and companies
  - Training courses in English.

- **Your ongoing training modules of list**
  - 3 states: Enrollment asked, Enrollment accepted, Registered and given credits.
Registration to training courses (ADUM)

- **Add an external training module**
  - Master class, MOOC, summer or thematic school, Member of organization committee of conferences...
  - Give the title- category – university and city – topic.
  - Add a PDF file with **attendance certificate and detailed training program**, so that SPI can give credits to you (1 CFD/ 2 hours).
D3 Individual Monitoring Committee (CSI)
For all D4 registration, an Individual Monitoring Committee (D3-CSI) is set up.

At minimum the committee includes
- The supervisor and co-supervisors.
- A member of the Doctoral school SPI (DED) who will be the chairman of the D3 CSI meeting.
D3 Individual Monitoring Committee (CSI)

- PhD student prepares the answers to the following questions during the CSI meeting
  - What is the current state of the work?
  - List of submitted and accepted publications?
  - How many CFDs?
  - Why a D4 registration?
  - Planning until defence
  - Funding certificate until defence
  - Current state of the thesis if required by DED

- At the end of the meeting, a collective report will be written under the authority of DED. This report is posted in ADUM.
D3 Individual Monitoring Committee (CSI)

- **D4 registration**
  - The CSI report with favorable decision is required.
  - On-line SPI registration via ADUM

- **Important dates**
  - SPI registration deadline : December 7th, 2020
  - Institution registration deadline : December 15th, 2020
PhD Defence
Planning (important dates)

- D – 9 weeks: Supervisors send the PhD reviewers and committee to the Doctoral School SPI.
- D – 8 weeks: Doctoral school SPI checks the required CFD and gives its agreement about PhD reviewers and committee.
- D – 8 weeks: Student sends the thesis to the reviewers (and to committee members).
- D – 4 weeks: Reviewers send their review to the Institution and the Doctoral School SPI.
- D – 3 weeks: Doctoral school Director and Research President of the Institution give their agreement about the PhD defence.
- Defence: Committee President sends the defence report to the Institution.
- D + XX: Student sends the final version of the thesis to the Institution.
Committee for full-time or CIFRE PhD

2 reviewers (minimum)

- Must be accredited (HDR). A full professor or french research director is accredited. Foreign reviewer’s CV is required.
- Must be outside ‘Hauts de France’ region. No work and paper with supervisors and PhD student during PhD duration.

More than 50% of members are outside ‘Hauts de France’ region.
All members must be PhD.

More than 50% of Full Professor or equivalent (Research Director in France).

member categories: 1 or 2 supervisors (registered at ADUM), 2 reviewers and examiners

- At least 1 member of each gender for a committee with 4, 5 or 6 members.
- At least 2 members of each gender for a committee with 7 or 8 members.

Committee President must be in the same room as the PhD student during the defence. All the other members can participate via video-meeting.
Committee when co-agreement with foreign institution

2 reviewers (minimum)

- Must be accredited (HDR). A full professor or french research director is accredited. Foreign reviewer’s CV is required.
- Must be outside 'Hauts de France' region and the foreign institution. No work and paper with supervisors and PhD student during PhD duration.
- More than 50% of members are outside 'Hauts de France' region and the foreign institution. All members must be PhD.

From 4 to 8 committee members

- More than 50% of Full Professor or equivalent (Research Director in France).
- Member categories: 2 supervisors (registered at ADUM), 2 reviewers and examiners.
  - At least 1 member of each gender for a committee with 4, 5 or 6 members.
  - At least 2 members of each gender for a committee with 7 or 8 members.
- Committee President must be in the same room as the PhD student during the defence. All the other members can participate via video-meeting.
To prepare your career after PhD

- Create a LinkedIn account

Join LinkedIn group of SPI PhD students (535 members today)

https://www.linkedin.com/groups/12416555/