STIC Doctoral School
Welcome Meeting

November, 14th 2022

Beginning at 13:30
Schedule

13:00 : Welcoming coffee

13:30 : Doing a PhD at the ED STIC Paris-Saclay
- general presentation
- doctoral representatives
- courses and training
- Science Accueil organization
- SATT Paris-Saclay

Around 16:00: End
The Doctoral School
### STIC Doctoral School

**Sciences and Technologies of Information and Communication**

One of the 21 Doctoral Schools of **université PARIS-SACLAY**

<table>
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<tr>
<th>Sciences Chimiques : Molécules, Matériaux, Instrumentation et Biosystèmes (2MIB)</th>
<th>Sciences de l’environnement d’Île-de-France (SEIFF)</th>
<th>Sciences du sport, de la maternité et du mouvement humain (SSMMMH)</th>
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<th>Sciences Sociales et Humanités (SSH)</th>
<th>Signalisations et réseaux intégratifs en biologie (BIOSISNE)</th>
<th>Sciences mécaniques et énergétiques, matériaux et géosciences (SMEMAG)</th>
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<th>Agriculture, alimentation, biologie, environnement, et santé (ABIES)</th>
<th>Astronomie et astrophysique d’Île-de-France (AHIP)</th>
<th>Cancérologie : biologie - médecine - santé (CBMIS)</th>
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<th>Droit, Economie, Management (DEM)</th>
<th>Electrical, Optical, Bio-Physics and Engineering (EOBE)</th>
<th>Innovation Thérapeutique : du Fondamental à l’Appliqué (ITFA)</th>
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<th>Interfaces (INTERFACES)</th>
<th>Mathématiques Hadamard (EDMH)</th>
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<th>Physique en île de France (PIF)</th>
<th>Santé Publique (EDSP)</th>
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<th>Sciences et technologies de l'information et de la communication (STIC)</th>
<th>Sciences mécaniques et énergétiques, matériaux et géosciences (SMEMAG)</th>
<th>Structure et dynamique des systèmes vivants (SDSV)</th>
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STIC Doctoral School

Sciences and Technologies of Information and Communication

One of the 21 Doctoral Schools of
université PARIS-SACLAY

- 557 PhD students in 2021-2022 (about 5000 in Paris-Saclay globally)

- Nationalities and languages:
  - 48% come from abroad
  - 35% come from a country where French is not an official or used language.

- 564 PhD supervisors
ED STICS’s institutions and research labs

université PARIS-SACLAY

5 national research organisms

6 components

25 research units

ED STIC - Réunion des encadrants - 18 mars 2021
ED STIC is involved in two Graduate Schools of the university

**Computer Science**
Informatique et Sciences du Numérique (ISN)

**Engineering and Systems Sciences**
Sciences de l’Ingénierie et des Systèmes (SIS)
ED STIC is involved in two Graduate Schools of the university.
The roles of the STIC Doctoral School in a nutshell

The doctoral school is mainly to **ensure that the PhD goes well from the beginning to the end.**

It **coordinates** actors and processes for:

- Recruiting
- Registration, registration renewal
- Follow up (and help if problems occur)
- Training
- Support for thematic schools and international mobility
- PhD Defense
- Preparing the professional career
Each PhD student of the STIC DS
• works (generally) in a laboratory (research unit) which is associated to the STIC DS
• under the supervision of a researcher from that laboratory (generally),
• is registered in Paris-Saclay University
• belongs to a Graduate School of the university (either Computer Science or Engineering and Systems Sciences)
• belongs to one Scientific Pole of the STIC DS (generally – but not always - the one of his/her supervisor).
The director and the secretary of your pole are your natural interlocutors within the STIC DS.
Pole A: Systems and Control, Signal, Images, Robotics, Communications

Pole B: Big Data, Knowledge, Machine Learning, Interactions

Pole C: Programming, Models, Algorithms, Architecture, Networks

Director: Antoine BERTHET
Assistant: Anne BATALIE
Email: poleAstic@lri.fr

Director: Anne VILNAT
Assistant: Stéphanie DRUETTA
Email: poleBstic@lri.fr

Director: Nadjib AIT SAADI
Assistant: Annabelle TISSIER
Email: poleCstic@lri.fr
POLE A

Systems & Control, Signal, Image, Robotics, Communications

Director: Antoine Berthet
Assistant: Anne Batalie
Email: poleAstic@lri.fr
STIC Doctoral School
Scientific Domain Based Organization

POLE B

Big Data, Knowledge, Machine Learning and Interactions

Director: Anne Vilnat (until Dec. 31)
Assistant: Stéphanie Druetta
Email: poleBstic@lri.fr
STIC Doctoral School
Scientific Domain Based Organization

POLE C

Programming, Models, Algorithms, Architecture, Networks

Director: Nadjib Ait Saadi
Assistant: Annabelle Tissier
Email: poleCstic@lri.fr
STIC Doctoral School
General direction, training, industry, international

Direction
Alain DENISE
Stéphanie DRUETTA - Assistant
Email: edstic@lri.fr

Training
Hanna KLAUDEL
Jessica SAMÉ - Assistant
Email: formation-edstic@lri.fr

International & Industry
Véronique VEQUE
Email: international-edstic@lri.fr
Email: industriel-edstic@lri.fr

Budget
Frédéric BLANQUI
Council and Executive Committee

ED STIC Council
(26 members, including 5 PhD students)

Executive committee
(1 director, 6 deputy directors)

Pole A Committee
(12 members, including 1 PhD student)
Assistant Pole A

Pole B Committee
(12 members, including 1 PhD student)
Assistant Pole B

Pole C Committee
(12 members, including 1 PhD student)
Assistant Pole C

Science policy
2 to 3 meetings a year

Daily management
1 meeting a month + dozens of emails!

Scientific follow-up during the PhD
Current PhD representatives

- Jhedmar Jhonatan CALLUPE LUNA (pole B)
- Prashanth Goud DOMAKONDA (pole A)
- Louise DUBOIS DE PRISQUE (pole C)
- Florian MARONNAT (pole A)
- Nilo SCHWENCKE (pole B)

Email: rep-doc-edstic@lri.fr
Election on the PhD representatives

- 5 representatives, elected for 1 year
- All are members of the ED STIC Council
- Three of them are members of a pole committee

- Election in December/January
- You will receive an email about the organization of the election.
The PhD project
PhD duration

• Standard duration: **3 years**

• The 4th year registration is allowed only on exemption.

• Funding must be insured during the whole duration.

• Your PhD supervisor and yourself must **anticipate** these requirements.
International cotutelle, industrial theses

• Some PhDs are carried out in international cotutelle:
  – One supervisor in each country
  – Alternating periods between the two countries
  – Double diploma (from both universities)

• Some others are carried out in an industrial context:
  – One academic supervisor, one industrial supervisor
  – Alternating periods between the two locations
The PhD Thesis is a project with several actors

- **PhD student**: conducts supervised research activities
- **Thesis supervisor**: supervises the doctoral student
- **Director of the laboratory**: ensures the material reception of the doctoral student
- **Doctoral school (via the pole)**: carries out his/her follow-up, defines the doctoral training program, organizes the registration / re-registration and defense procedures, intervenes for any question during the thesis (in particular: health problems, conflicts).
The PhD Student (You!)

You:

- You are both a student and a researcher.
- You work under the supervision of your supervisor(s), you communicate with him/her/them regularly.
- You possibly teach.
- You work in a local context (research group, laboratory), and also in national and international contexts (researchers in your domain).
- You communicate your research results to other researchers, in seminars or workshops (local, national, international).
- You publish your results in international journals and/or conferences.
- At the end you write your thesis, and finally you defend it.
The PhD supervisor

Your PhD supervisor:

• **ensures your remuneration** during the whole duration of the PhD
• **supervises your work**, communicates with you regularly, discusses about the thesis advancement advises you.
• **provides the needed resources** for the accomplishment of the PhD project.
• **advises you about useful courses** for your PhD project.
• **encourages you and helps you to present and publish your work.**
• **advises you** for the **writing of your manuscript** and in the **preparation of the defense.**
Follow up by the STIC Doctoral school

- **You must re-register each year**, between July and November.
- **Before each re-registration you must:**
  - write a (short) *progress report* on your work and fill an *auto-evaluation form*,
  - present your work to a (small) *follow-up committee* and have a discussion with its members,
  - take stock of the *training courses* you have taken or will take (details in Hanna Klaudel’s talk after).
Financial support for mobility and thematic schools (ED STIC and GS Computer Science)

• **Mobility**: a stay outside the research unit of the thesis director and that of his/her co-supervisor to work in collaboration with another lab. The support can be up to 2000€.

• **Thematic schools**: participation in thematic schools or young researcher schools. The support can be up to 1000 euros.

• In both cases, the support is paid to and managed by the doctoral student's research unit.

• **See details on the web site**: [https://www.universite-paris-saclay.fr/ecoles-doctorales/sciences-et-technologies-de-linformation-et-de-la-communication-stic](https://www.universite-paris-saclay.fr/ecoles-doctorales/sciences-et-technologies-de-linformation-et-de-la-communication-stic)
Financial support for talks in international conferences (GS Computer Science)

• The GS Computer Science gives support to PhD students for a mission to a prestigious conference in the field, up to 1500€.

• All PhD students of the ED STIC who do not have financial support for travel costs in their thesis funding are eligible for this action.

• See details on the GS web site: https://www.universite-paris-saclay.fr/la-gs-Isn-finance-vos-projets
Some other international actions in Paris-Saclay

- **European Doctorate label** (Doctor Europaeus) Conditions:
  - At least 3 months in another European country
  - Specific rules for defense authorization and jury
  - Oral presentation in another EC official language

- Paris-Saclay **annual call for mobility scholarship**: for stays in a research laboratory abroad, from 1 to 5 months

- **EUGLOH mobility programs** (European alliance for global health)

- **Fulbright program**: funds 4 to 12-month research periods in the USA for doctoral candidates

- ...
ICST "Doctoral students" award from the Saclay plateau

- **Awarded each year** to the research work of doctoral students from the ED STIC of Université Paris-Saclay and from IP Paris doctoral school for their excellence.

- **Promotes all types of scientific production** by doctoral students: articles, evaluation campaigns or production of hardware and/or software systems.

- **2023 award:** any research work produced during the PhD between June 1, 2022 and May 31, 2023 may be submitted.

- **Call will be launched during spring 2023**
ICST "Doctoral students" prize from the Saclay plateau

• This year 2022, two first prizes were awarded to:
  • Anatole LEFORT, SAMOVAR, Institut Polytechnique de Paris, for the paper « J-NVM : Off-heap Objects in Java »
  • Herikalaina RAKOTOARISON, LISN, Université Paris-Saclay, for the paper « Learning meta-features for AutoML »

• Four accessits were awarded to:
  • Constantin PHILIPPENKO, CMAP, Institut Polytechnique de Paris, for the paper « Preserved central model for faster bidirectional compression in distributed settings »
  • Jeanne REDAUD, L2S, Université Paris-Saclay, for the paper « Stabilizing output-feedback control law for hyperbolic systems using a Fredholm transformation »
  • Pierre VANDENHOVE, LMF, Université Paris-Saclay, for the paper « Characterizing Omega-Regularity Through Finite-Memory Determinacy of Games on Infinite Graphs »
  • Jingwei ZUO, DAVID, Université Paris-Saclay, for the paper « SMATE: Semi-Supervised Spatio-Temporal Representation Learning on Multivariate Time Series »
Next meetings

• 16 February 2023: welcome Meeting by the GS Engineering and System Sciences.

• Spring 2023: scientific day, with invited talks, talks by the laureates of the 2022 ICST Doctoral students prize, posters, and awards ceremony.

• Spring 2023: what to do after the PhD? (priority for doctoral students in their third year)

• Other meetings will be co-organised by the doctoral school and/or the graduate schools (e.g. with industrial partners).
In case of any problem

The Doctoral School is here to help you in any case, especially in case of problems (conflicts, health problems etc.):

• The pole director
• The doctoral school director
• The PhD student representatives
Communication with the doctoral school

• **Useful links:**
  – ADUM (where your account for registration, training etc. is): [www.adum.fr](http://www.adum.fr)
  – The STIC pages on the Paris-Saclay web site: [https://www.universite-paris-saclay.fr/ecoles-doctorales](https://www.universite-paris-saclay.fr/ecoles-doctorales)

• **Emails:**
  – To send an email to your pole (director and assistant): `poleXstic@lri.fr`, where X=A, B or C.
  – read carefully the emails from ADUM and from your pole. They are sent to the email address you wrote in ADUM.
13:00 : Welcoming coffee

13:30 : Doing a PhD at the ED STIC Paris-Saclay
   - general presentation
   - doctoral representatives
   - courses and training
   - Science Accueil organization
   - SATT Paris-Saclay

Around : 16:00 End
Goodbye!

Enjoy your PhD!
Enjoy your life!

Today’s presentations will be available on the doctoral school’s web site.