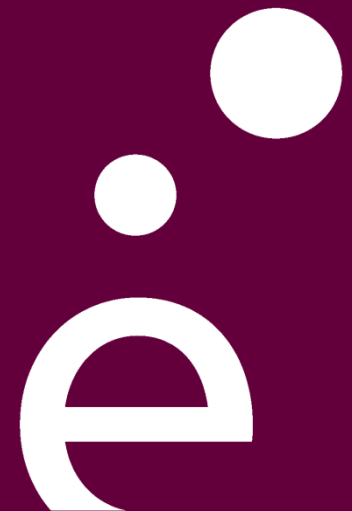




STIC Doctoral School Welcome Meeting

November, 27th 2023

Beginning at 9:30



Schedule



9:00 : Welcoming coffee

9:30 : Part 1

- general presentation
- doctoral representatives
- courses and training

Around 10:45 : break

11:00 : Part 2

- International Welcome Desk
- Science Accueil organization
- Valorisation : SATT Paris-Saclay

Around 12:00: Lunch

The slides will be available on the doctoral school's web site.

The Doctoral School



Sciences and Technologies of Information and Communication

One of the 21 Doctoral
Schools of

université
PARIS-SACLAY

Agriculture, alimentation, biologie, environnement, et santé (ABIES) > Lire la suite	Astronomie et astrophysique d'Ile-de-France (AAIF) > Lire la suite	Cancérologie : biologie - médecine - sante (CBMS) > Lire la suite
Droit, Economie, Management (DEM) > Lire la suite	Electrical, Optical, Bio-Physics and Engineering (EOBE) > Lire la suite	Innovation Thérapeutique : du Fondamental à l'Appliqué (ITFA) > Lire la suite
Interfaces (INTERFACES) > Lire la suite	Mathématiques Hadamard (EDMH) > Lire la suite	Ondes et Matière (EDOM) > Lire la suite
particules hadrons énergie et noyau : instrumentation, image, cosmos et simulation (PHENIICS) > Lire la suite	Physique en Ile de France (PIF) > Lire la suite	Santé Publique (EDSP) > Lire la suite
Sciences Chimiques : Molécules, Matériaux, Instrumentation et Biosystèmes (2MIB) > Lire la suite	Sciences de l'environnement d'Ile-de-France (SEIF) > Lire la suite	Sciences du sport, de la motricité et du mouvement humain (SSMMH) > Lire la suite
Sciences du végétal : du gène à l'écosystème (SEVE) > Lire la suite	Sciences et technologies de l'information et de la communication (STIC) > Lire la suite	Sciences mécaniques et énergétiques, matériaux et géosciences (SMEMAG) > Lire la suite
Sciences Sociales et Humanités (SSH) > Lire la suite	Signalisations et réseaux intégratifs en biologie (BIOSIGNE) > Lire la suite	Structure et dynamique des systèmes vivants (SDSV) > Lire la suite





Sciences and Technologies of Information and Communication

One of the **21 Doctoral
Schools** of

université
PARIS-SACLAY

- 565 PhD students in 2022-2023 (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.
- 597 PhD supervisors

ED STICS's institutions and research labs



**université
PARIS-SACLAY**

6 components

5 national research organisms



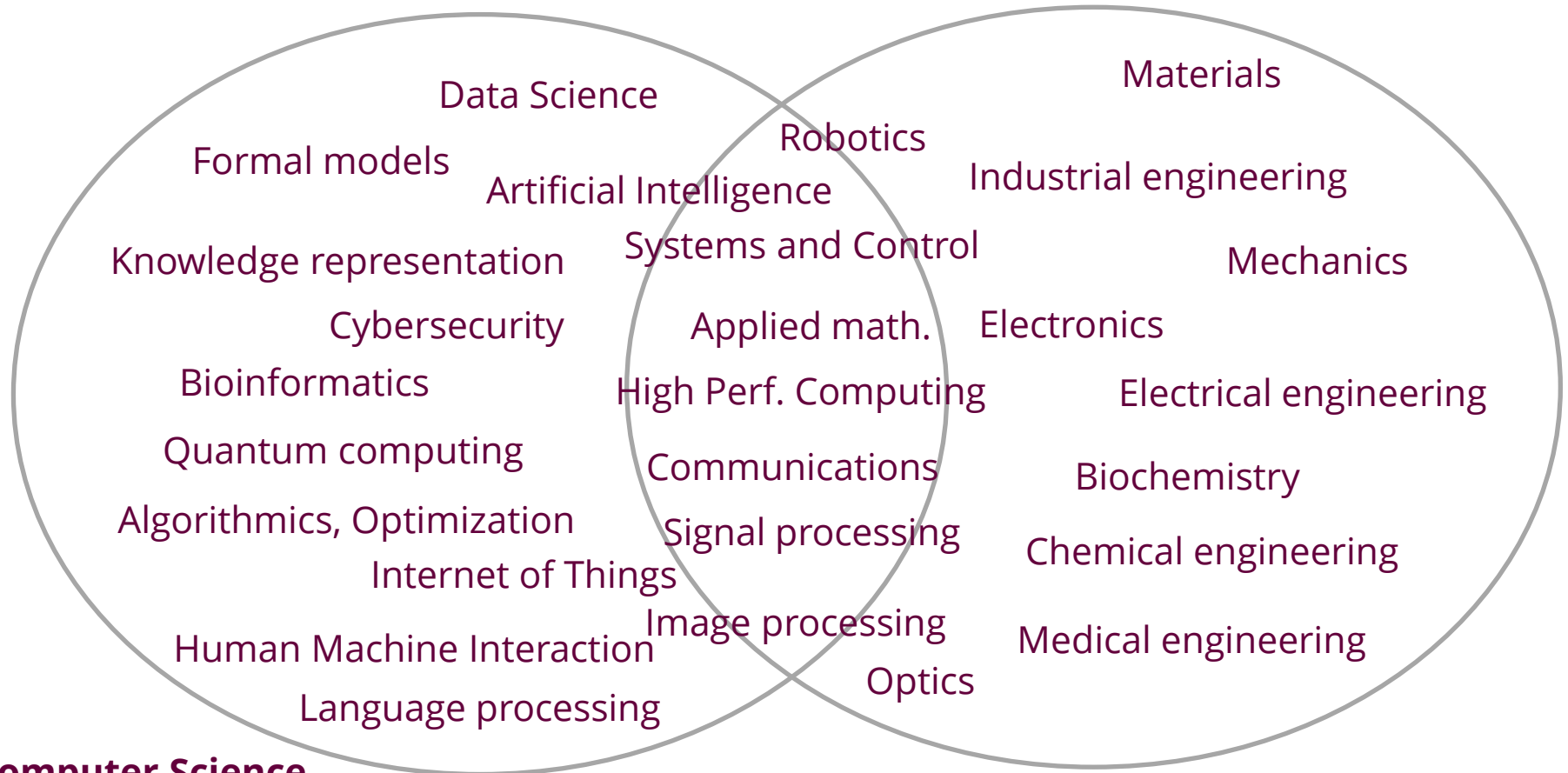
**université
PARIS-SACLAY**

**FACULTÉ
DES SCIENCES
D'ORSAY**



27 research units

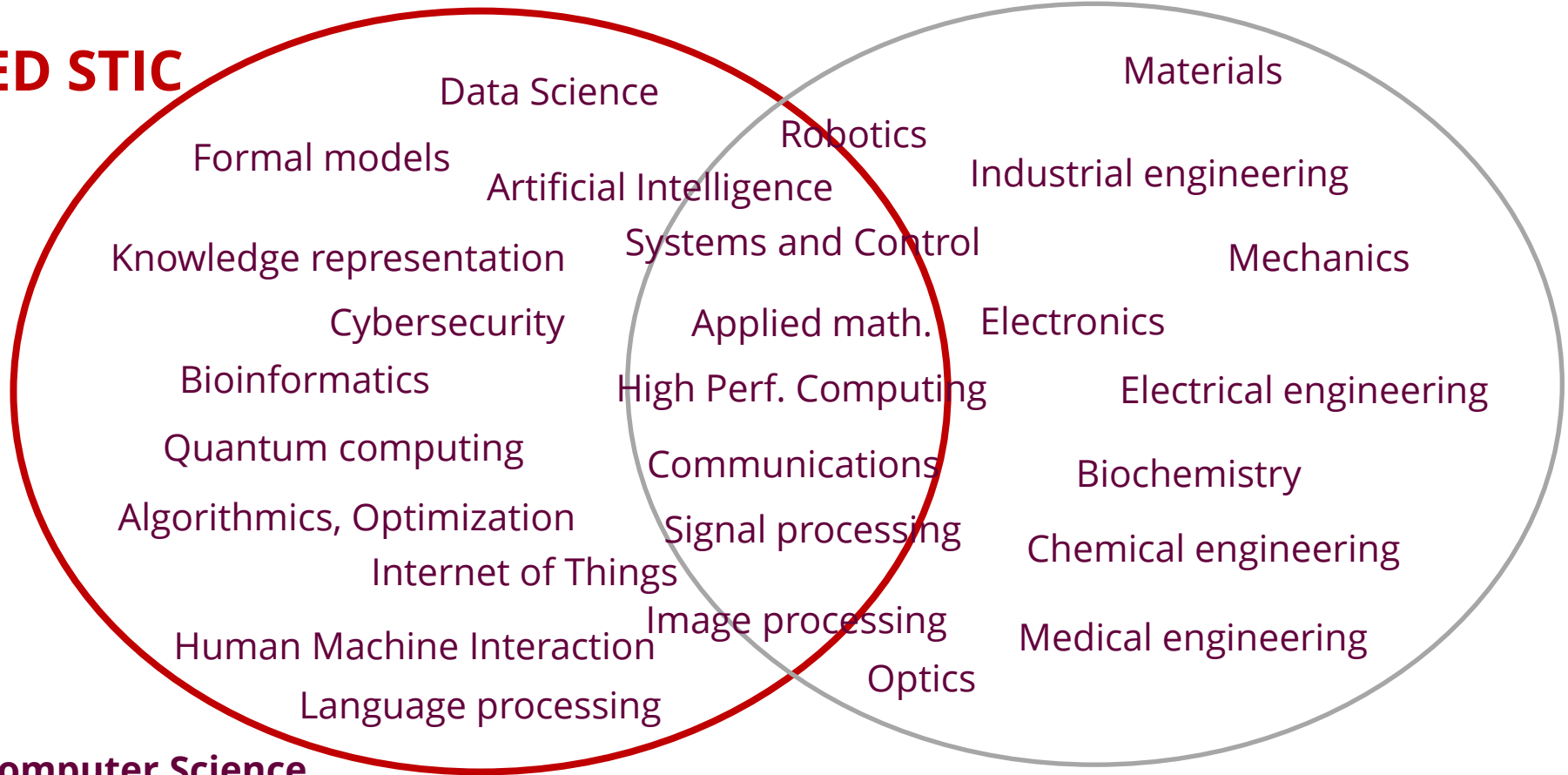
ED STIC is involved in two **Graduate Schools** of the university



ED STIC is involved in two **Graduate Schools** of the university



ED STIC



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

From the PhD student point of view



Each PhD student of the ED STIC

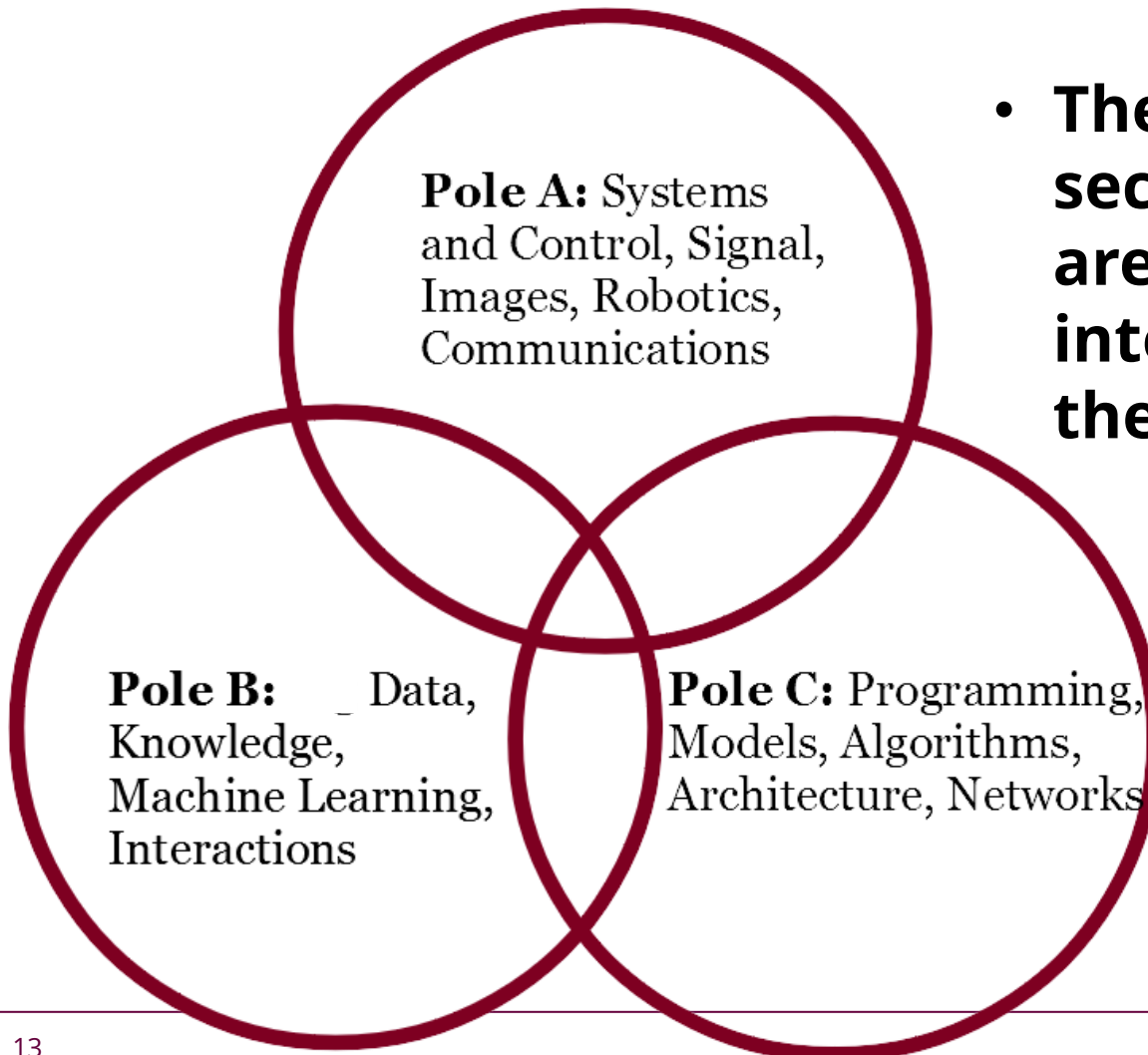
- works (generally) in a **laboratory** (research unit) which is associated to the ED STIC
- under the supervision of a **researcher** from that laboratory (generally),
- is registered in **Paris-Saclay University**
- belongs to a **Graduate School** of the university (either **Computer Science** or **Engineering and Systems Sciences**)
- belongs to one **Scientific Pole** of the ED STIC (generally – but not always - the one of his/her supervisor).



- **First-year** PhD students receive a **PHYSICAL card** from their Doctoral School (ED).
- **PLEASE KEEP this card throughout your entire doctoral program.**
- **In the following years, you will receive a VIRTUAL card.**
- Therefore, check your email inbox (including spam) the arrival of an email from "Ta carte ISIC <newsletter@email.isic.fr>", with "Prénom, bienvenue chez ISIC !" as object.



- Each PhD student receives each year an email from **<adonis-no-reply@universite-paris-saclay.fr>** to **ACTIVATE** or **REACTIVATE** his/her ADONIS account.
- This account allows you to receive your institutional email address, register for training, vote...
- Therefore check your email inbox (including spam) for the arrival of an email titled "ADONIS."



- **The director and the secretary of your pole are your natural interlocutors within the STIC DS.**

STIC Doctoral School

Scientific Domain Based Organization



POLE A

**Systems & Control, Signal,
Image, Robotics, Communications**

Director: Antoine Berthet

Assistant: Anne Batalie

Email: poleAstic@universite-paris-saclay.fr



STIC Doctoral School

Scientific Domain Based Organization



POLE B

**Data, Knowledge, Machine Learning
and Interactions**

Director: Caroline Appert
Assistant : Stéphanie Druetta
Email : poleBstic@universite-paris-saclay.fr



STIC Doctoral School

Scientific Domain Based Organization



POLE C

**Programming, Models, Algorithms,
Architecture, Networks**

Director: Nadjib Ait Saadi
Assistant: Annabelle Tissier
Email: poleCstic@universite-paris-saclay.fr



STIC Doctoral School

General direction, training, industry, international



Direction

Alain DENISE
Stéphanie DRUETTA - Assistant
edstic@universite-paris-saclay.fr



Training

Hanna KLAUDEL
formation-edstic@universite-paris-saclay.fr



International & Industry

Véronique VEQUE
international-edstic@universite-paris-saclay.fr
industriel-edstic@universite-paris-saclay.fr

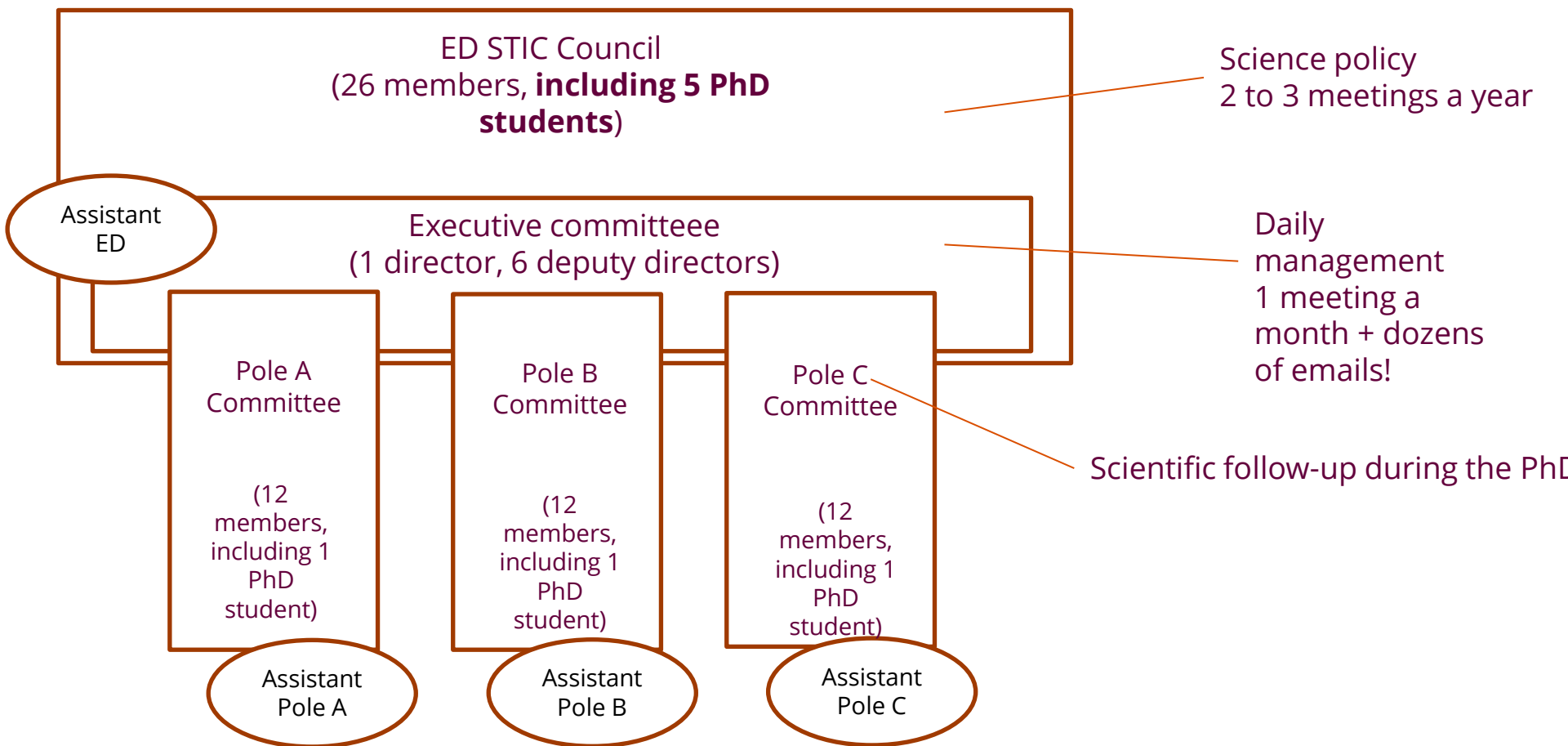


Budget

Frédéric BLANQUI



Council and Executive Committee



Current PhD representatives



- Florian MARONNAT (pole A)
 - Dora NOVAK (pole A)
 - Nilo SCHWENCKE (pole B)
 - Yanick TCHENKO (pole B)
-
- **rep-doc-edstic@universite-paris-saclay.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 early 2024
 - You will receive an email about the organization of the election.

The PhD project





- 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.



- 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 environment 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**.



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 October.
- **Before each re-registration you must:**
 - **write a progress report** on your work (3 to 8 pages),
 - **present your work** to a **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).

The individual follow-up committee is appointed by the doctoral school **during the first months of the thesis**, on the proposal of the thesis director, in consultation with the doctoral student.

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>

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
- ...
Pr Véronique Vèque : International-edstic@universite-paris-saclay.fr

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.
- **2024 award:** any research work produced during the PhD between June 1, 2023 and May 31, 2024 may be submitted.
- **Call will be launched during spring 2024**

ICST " Doctoral students" prize from the Saclay plateau



- **This year, two first prizes were awarded to :**
 - **Abdelaziz BOUNHAR**, LTCI, Institut Polytechnique de Paris, for the publication "Mixing a Covert and a Non-Covert User"
 - **Mathieu DAGREOU**, Inria Saclay, Université Paris-Saclay, for the publication "A framework for bilevel optimization that enables stochastic and global variance reduction algorithms"
- **Five accessits were awarded to :**
 - **Charlotte CAUCHETEUX**, Inria Saclay, Université Paris-Saclay, for the publication "Evidence of a predictive coding hierarchy in the human brain listening to speech"
 - **Sijie HU**, IBISC, Université Paris-Saclay, for the publication "Multi-modal unsupervised domain adaptation for semantic image segmentation"
 - **Jayneel PAREKH**, LTCI, Institut Polytechnique de Paris, for the publication "Listen to Interpret : Post-hoc Interpretability for Audio Networks with NMF"
 - **Carlos Antonio PINZON HENAO**, LIX, Institut Polytechnique de Paris, for the publication "On the incompatibility of accuracy and equal opportunity"
 - **Marion SAVANIER**, CVN, Université Paris-Saclay, for the publication "Deep Unfolding of the DBFB Algorithm with Application to ROI CT Imaging with Limited Angular Density"



- Organized by **Université Paris-Saclay** and **Institut Polytechnique de Paris**.
- **Next one: Spring 2024.**
- **Open to all doctoral students in ICST** and their supervisors from the Université Paris-Saclay and the Institut Polytechnique de Paris.
- **Lectures** by guest speakers, and by the winners of the 2023 Plateau de Saclay doctoral student awards.
- **Call to posters** to all the doctoral students from the two doctoral schools.
- **Best poster prize.**
 - Winner in 2023: **Julien Béguinot**, LTCl, Institut Polytechnique de Paris.

Next meetings



- **January 2023:** welcome Meeting by the GS Engineering and System Sciences.
- **Spring 2024:** PhD students' day in STIC of the Plateau de Saclay.
- **Spring 2024:** 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



- **Useful links:**
 - ADUM (where your account for registration, training etc. is): www.adum.fr
 - The STIC pages on the Paris-Saclay web site: <https://www.universite-paris-saclay.fr/ecoles-doctorales>
- **Emails:**
 - **To send an email to your pole** (director and assistant) : poleXstic@universite-paris-saclay.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.

Schedule



9:00 : Welcoming coffee

9:30 : Part 1

- general presentation
- doctoral representatives
- courses and training

Around 10:45 : break

11:00 : Part 2

- International Welcome Desk
- Science Accueil organization
- Valorisation : SATT Paris-Saclay

Around 12:00: Lunch

The slides will be available on the doctoral school's web site.

STIC DOCTORAL SCHOOL

Enjoy your PhD!
Enjoy your life!



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

