

Regional Doctoral School based on Le Mans, Angers et Nantes

Doctoral School **M**athématique et **S**ciences et **T**echnologies de l'**I**nformation,
et de la **C**ommunication.

ED MaSTIC n°641,

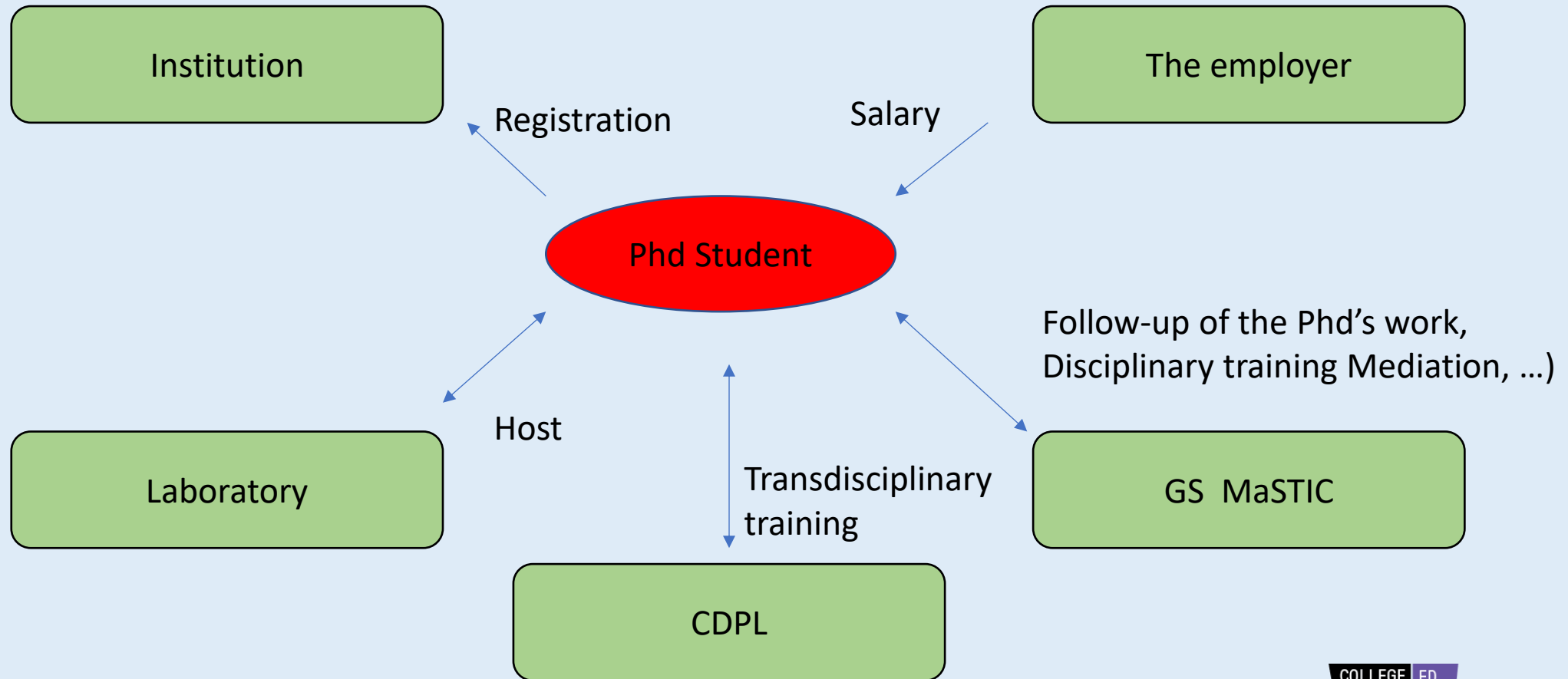
Direction: Yannick Aoustin;

Deputy directors: Laurent Denis (Le Mans); Nicolas Dutertre (Angers); Olivier
Roux (Centrale Nantes)

Why a Phd?

- Being confronted with a new scientific question and being able to study it in depth.
- Prepare for a career as an academic, researcher or R&D expert in private firme.
- Learn to present your work in writing, orally, exchange ideas and interact with others.
- An internationally recognized diploma (The “PhD Thesis”).

Environment dedicated to the Phd student



DS MaSTIC within a regional (Pays de la Loire) structure

Collège doctoral régional (2500 phd students): Head Manager: Corinne Miral (Nantes).

Deputy Direction: Christophe LEGEIN (Le Mans), Emmanuelle GESLIN (Angers).

Its missions:

- Management of the transdisciplinary trainings
- Definition of the charter for phd student support
- Professional integration follow-up of Phd Students
- 11 Regional Graduate Schools (Ecole doctorale in French):

BS, SAME, SIS, ALL, STT, EDGE, DSP, ELOCC, 3MG, MaSTIC

Co-accredited institutions

- Centrale Nantes
- Université d'Angers
- Nantes Université
- Université du Maine
- Université Gustave Eiffel
- Linsen (Private School at Nantes Carquefou)



Scientific Domains covered by MaSTIC

- Automatic control, production engineering et robotic –Signal processing, image, vision -Télécommunications (domain **AST**)
- Electronics - Génie Electrique (domain **EGE**)
- Computing (domaine **INFO**)
- Mathematics et their Interactions (domain **MI**)

Scientific fields covered by MaSTIC

- Automatic Control, Productics and Robotics
- Signal processing, Image processing, Vision
- Télécommunications
- Electronics
- Electrical engineering
- Informatics
- Mathematics

Organisation members of DS **MaSTIC** (1/2) to help you.

- Site Managers:

- Nantes: Mrs **Sylvie Guilbaud**

- Angers: Mrs **Elise Guillet**

- Le Mans: Mrs **Anaïs Provost**

- Direction Manager: Mrs **Elsa Durand**

Organisation members l'ED MaSTIC (2/2)

- Training referent at Nantes, **Mikael Briday**
(LS2N Ecole Centrale de Nantes)

Instances de l'ED MaSTIC

- Management board (26 members, 8 guest members)
- an executive board (5 members, 7 guest members)
- Three site councils (Nantes/Angers/Le Mans)

Your member representatives

Titulaires

- Mme Rita-Nathalia ASSAF Université d'Angers
- Florent LE BORGNE Nantes Université
- Félix SAGET Université du Mans
- Alexis Vilain Université de Nantes
- Natacha MINICONI Université du Mans
- **Suppléants**
- Victor ALLARD Université d'Angers
- Amar TIOUS Nantes Université

Useful tools

A WEB SITE:

- <https://ed-mastic.doctorat-paysdelaloire.fr/>

Informations: Charter, rules of procedure, Formats CSI, logos, files tex, (or other) pour le mémoire, liste the council members, agenda, etc.

- Amethis platform (Application for a Phd position, Inscription, CSI, Defence, Training)
- A Dedicated Linkedin (MaSTIC)

Budget de l'ED MaSTIC 2022-2023

- There is almost 210 Phd Students

Allocation from the institutions /Phd member (1st, 2nd, 3th year)

200€: 100€ for CDPL + 100€ for MaSTIC → 21k€

- Training (Transport, Remuneration of the trainers)
- Mobility (National, International)
- JDOC (Prizes, lunch transport)
- Organization of the council

Training (1/2)

- 100 hours of training or equivalence. Free proportion between interdisciplinary and disciplinary.
- Mandatory training: Ethics and open sciences
- Catalogues of training on Amethis platform
 - Almost 12 propositions of disciplinary training.
 - Training outside DS MaSTIC, outside catalogue can be validated''

Training (2/2)

Equivalences are possible:

- Summer school, workshop au sein d'un congrès,
- Tutorat entre doctorant ou projet de master
- Master lectures
- Involved in ED MaSTIC, Etc.
- Specific cases:
- Phd CIFRE : 50h mandatory training
- Phd in co-tutelles (proportional to the time in France)

CSI (1/2)

- At least two members not involved in the supervision,
- On expert (phd) of the Phd projet,
- A least one non expert (phd) of the Phd projet,
- A least one external member (Phd) from the laboratory, the institution, except derogation, with motivated request of the supervisors.
- A third member can be chosen, and if possible before the first meeting of the CSI.
- CSI mandatory before each new inscription. No CSI during the third year if the defence occurs before 31th December.

CSI (2/2)

There are **four months** after the registration date to determine the composition of the CSI.

Doctoral students are **STRONGLY** encouraged to choose at least one member of the CSI.

If necessary, they can contact the doctoral student representatives to obtain a list of possible members.

Deadlines before the defence

- Three months before the defence, pre-proposal of a jury. To avoid a mistake in the composition of the jury just before the defence.
- Eight weeks before the defence sending the file (administrative formats and manuscript) to ED MaSTIC, via the laboratory head.
- Manuscript sending by the Phd student to the reviewers with at least four weeks in order to give them time to write their report.

The doctor's oath

- The new doctor is asked to read out the oath.

En présence de mes pairs. « Parvenu(e) à l'issue de mon doctorat en [xxx], et ayant ainsi pratiqué, dans ma quête du savoir, l'exercice d'une recherche scientifique exigeante, en cultivant la rigueur intellectuelle, la réflexivité éthique et dans le respect des principes de l'intégrité scientifique, je m'engage, pour ce qui dépendra de moi, dans la suite de ma carrière professionnelle quel qu'en soit le secteur ou le domaine d'activité, à maintenir une conduite intègre dans mon rapport au savoir, mes méthodes et mes résultats.

In the presence of my peers. With the completion of my doctorate in [research field], in my quest for knowledge, I have carried out demanding research, demonstrated intellectual rigour, ethical reflection, and respect for the principles of research integrity. As I pursue my professional career, whatever my chosen field, I pledge, to the greatest of my ability, to continue to maintain integrity in my relationship to knowledge, in my methods and in my results.

It is not mandatory to read it. But if it is refused, this must be mentioned in the examination report.