

# 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,

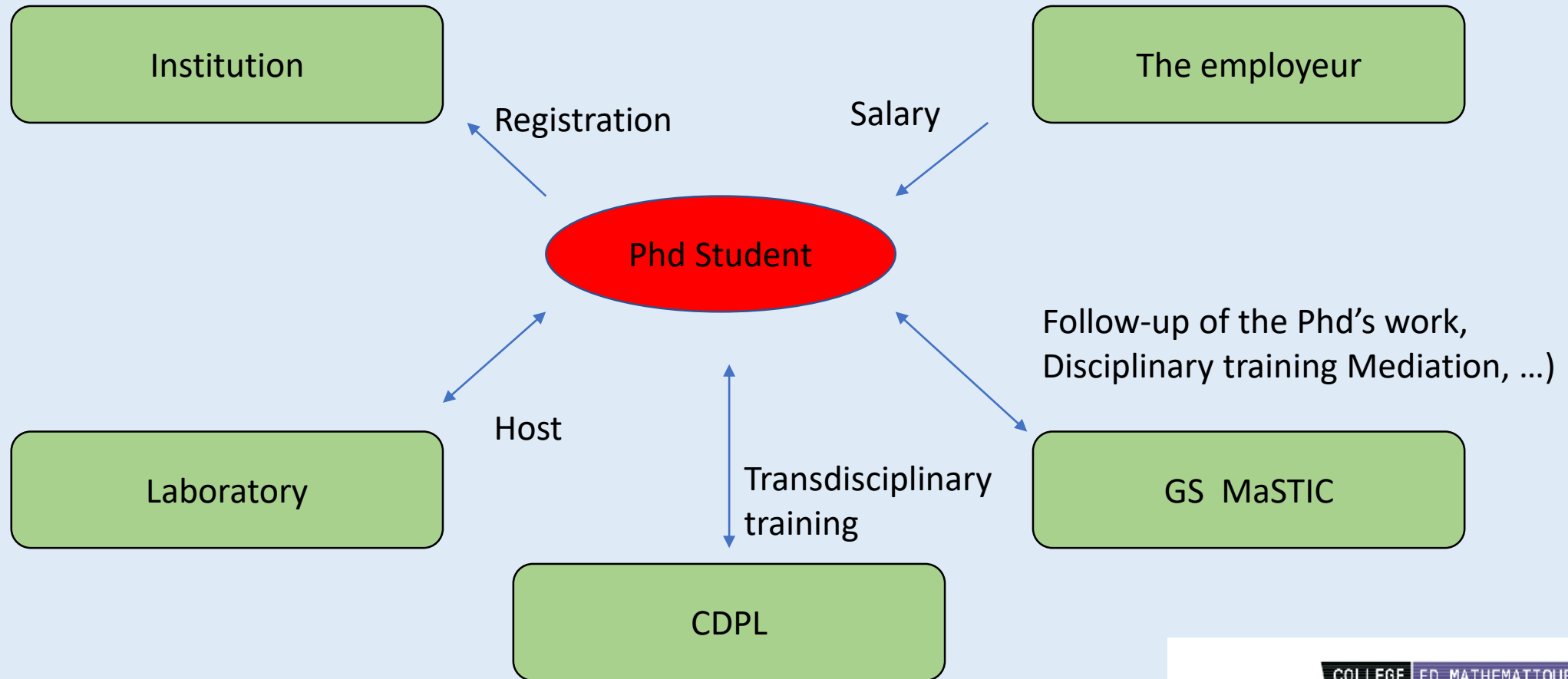
Direction: Yannick Aoustin;

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 (Le “PhD Thesis”).

# Environment dedicated to the Phd student



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

**Collège doctoral régional (2500 phd students)**: Direction 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:**

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



# 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 et Robotics
- Signal processing, Image processing, Vision
- Télécommunications
- Electronics
- Electrical engineering
- Informatics

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

- Site Managers:

- Nantes: Mrs Sylvie Guilbaud

- Angers: Mrs Elise Guillet

- Le Mans: Mrs Clémence Beaudron

- Direction Manager: Mme Florence de Ruisselet



# Organisation members l'ED MaSTIC (2/2)

- Training referent at Nantes, Mikael Briday  
(LS2N Ecole Centrale de Nantes)
- In Charge of social events: Mohammed El  
Gibari (IETR Nantes Université)

# Instances de l'ED MaSTIC

- Management board (26 membres)
- an executive board
- Three site council (Nantes/Angers/Le Mans)

# Your member representatives

## Titulaires

- Mme Julliette Pottier Electronique Nantes Université

*Elections soon to follow the resignation of five doctoral students.*

# 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)

And soon : a Dedicated Linkedin

# Budget de l'ED MaSTIC 2022-2023

- Il y aura environ 210 étudiants

Dotations des établissements /doctorant 200€: 100€ pour le CDPL + 100€ pour MaSTIC → 21k€

Complété par la Graduate School (GS) MaSTIC pour les étudiants Nantais. → 30k€

Budget 100€/doctorant + 100€/doctorant de la GS.

- 12k€ pour des séjours longs (800€ par mois pour des séjours de 2 à 4 semaines)
- 3k€ pour des aides ponctuelles hors conférence
- 3 bourses à 2k€ pour 3 mois de séjour à l'international
- 2 bourses stages de recherche M2 de 4k€ pour 6 mois
- 1 k€ soutien Evènement scientifique
- Contribution formations 1k€.

# Budget MaSTIC

- 100€ per Phd student 1<sup>ère</sup>, 2<sup>ème</sup>, 3<sup>ème</sup>
- Le Mans : 19 Phd students / Angers : 44 Phd students / Nantes : 129 Phd students

budget 2023: 18 500 €

Estimation Budget 2024: 19 200 €

Global Budget :

Council meeting, JDOC, Training = 1 000 €+2 500€+6 540 €=10 040 €

Distribution over the three sites 9 160€

Nantes = 6 154 €; Angers 2 099 €; Le Mans 906 €

Mobility: From the 1st october, participation to the conferences.

# 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
  - 11 propositions of disciplinary training.
  - Training outside DS MaSTIC, outside catalogue can be validated''

# Formations (2/2)

Des équivalences sont possibles:

- Ecoles d'été, workshop au sein d'un congrès,
- Tutorat entre doctorant ou projet de master
- Cours de niveau master
- Implications dans l'ED MaSTIC, Etc.
- Régimes particuliers:
- Thèse CIFRE : **50h** incluant les formations obligatoires
- Thèse en co-tutelles (au prorata de la durée de séjours en France)



# CSI

- **At least two members** not involved in the supervision,
- **On expert** of the phd projet,
- **A least one non expert** of the Phd projet,
- **A least one external member 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 durin the third year if the defence occurs sbefore **31th december**.

# 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 DS MaSTIC, via the laboratory head.
- Manuscript sending by the Phd student to the reviewers with 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.