

DIGITAL SYSTEMS FOR HUMANS  
GRADUATE SCHOOL AND RESEARCH

UNIVERSITÉ CÔTE D'AZUR

**Spring**  
**KICKOFF MEETING** | 03 FEB 2022  
*Semestre de printemps*

8h30 - Campus SophiaTech and live online

Enrol in DS4H Minors and Projects  
Chat with teachers  
Meet the students' association



**SPRING 2022**

**Welcome  
DS4H  
Students!**

***PREPARE YOUR FUTURE, SHAPE YOUR TRAINING.***

**8h30-8h40**

# Introduction

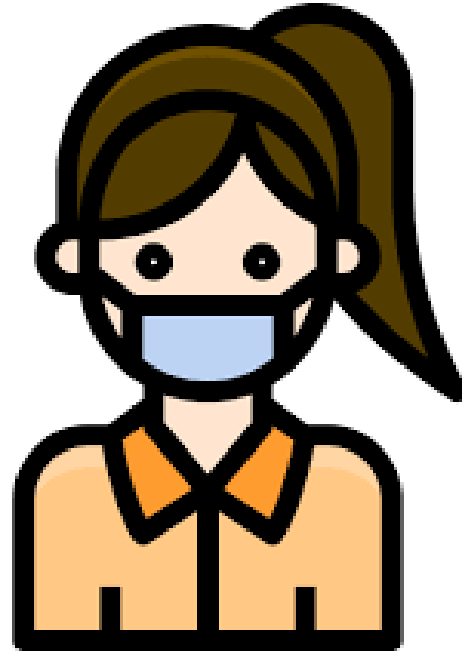
Johan Montagnat, Director



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CÔTE D'AZUR



Do yourself a favour  
Do others a favour  
This is a shared responsibility



# Program

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**08h30 – 08h40** EUR DS4H: brief Intro EUR DS4H

**08h45 - 09h15** **DS4H Masters Training Offer**

**09h20 – 09h40** Presentation of ADAMS

**09h45 – 10h55** **DS4H Minors' presentations**

**11h00 - 11h15** Meet DS4H minors' coordinators  
Parallel sessions 1 room zoom / minor

**11h15 - 11h35** **DS4H Projects' presentations**

**11h35 - 11h50** Meet DS4H research projects' supervisors  
Parallel sessions 1 room zoom / project

**11h50 - 12h30** **HANDS ON Session: How to subscribe? Questions  
Schooling Questions**

# DS4H Spring Semester

**Johan Montagnat, Director**



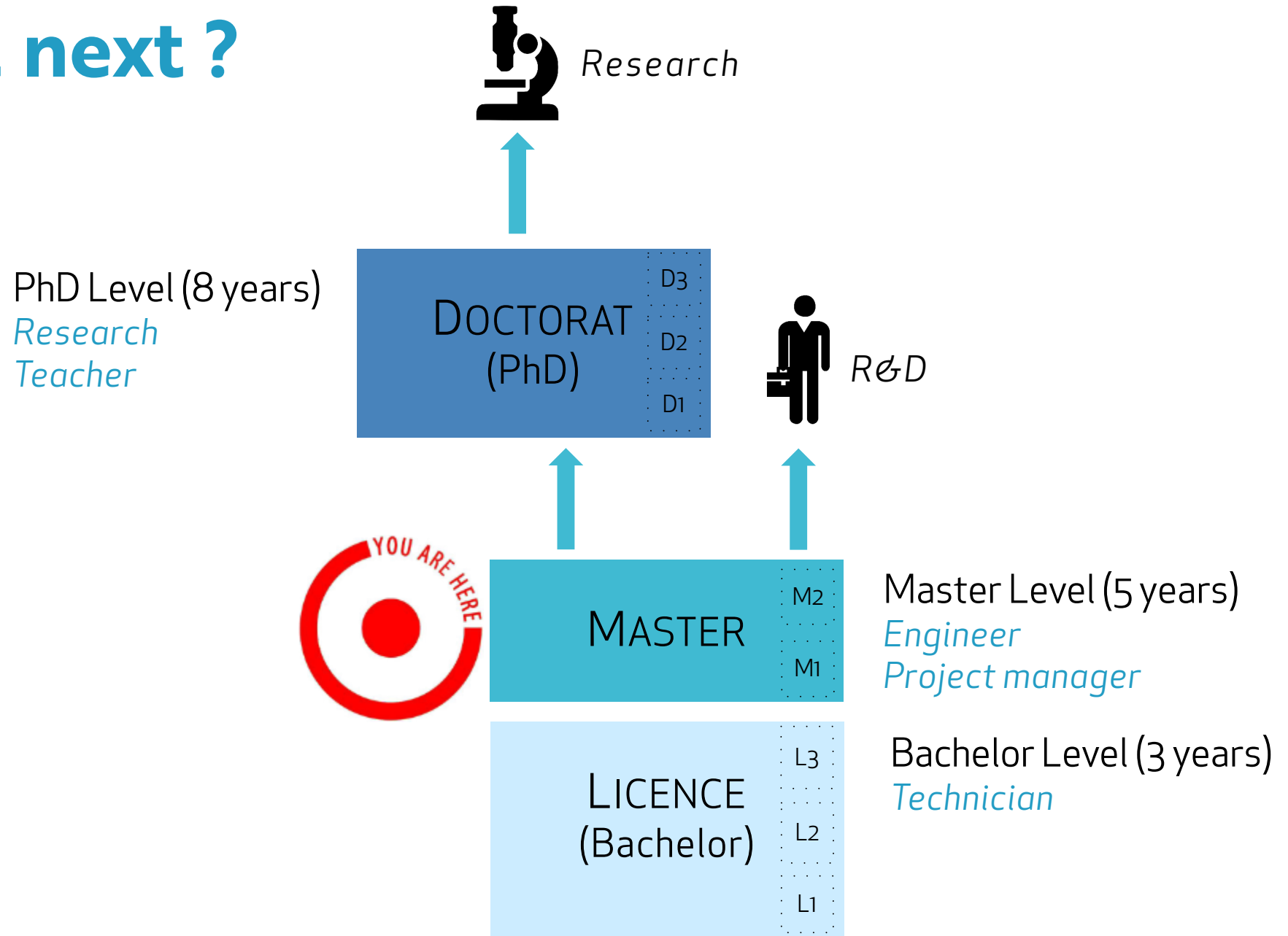
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# What next ?





# Beyond disciplines

## **New skills development**

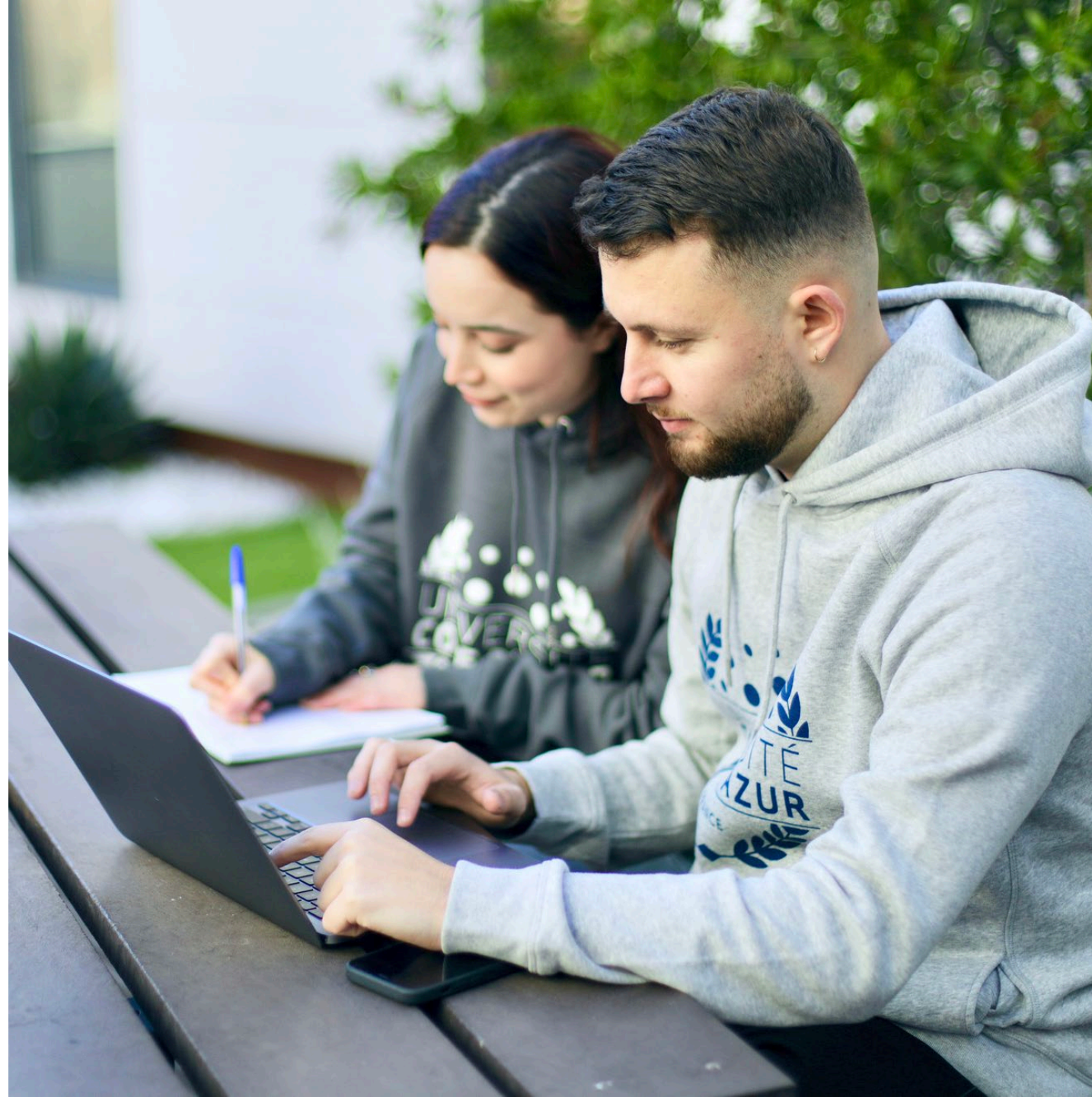
Multidisciplinary  
Soft skills

## **Professional integration**

In laboratory  
In company  
Innovation

## **Autonomy**

Self-initiative  
Individualized curricula





# Digital Systems and Humans

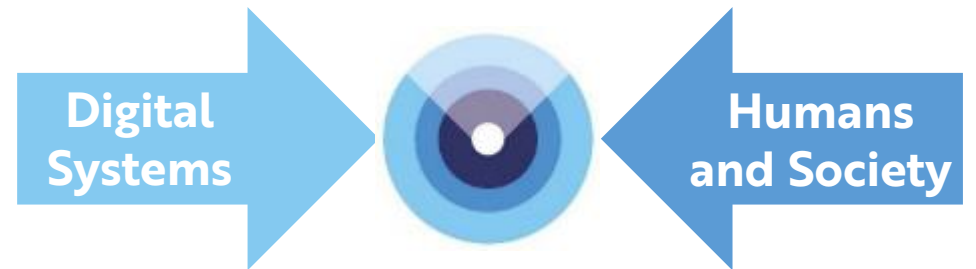
## Facing the challenges of the Digital World

- Information Science & Technology  
electronics, networks, distributed systems, machine learning, Big Data...
- Society  
usages, law, confidentiality, acceptability, ethics, security, trust...

**Interdisciplinarity**

## Digitals everywhere

- Digital life, digital jobs
- Globalization
- Climate change challenge







# Graduate School for You



*Inria*



**Laboratories**  
RESEARCH

**50<sup>TH</sup> ANNIVERSARY**  
**SOPHIA ANTIPOLIS**  
**2019**



**Education**

MASTERS  
PHD



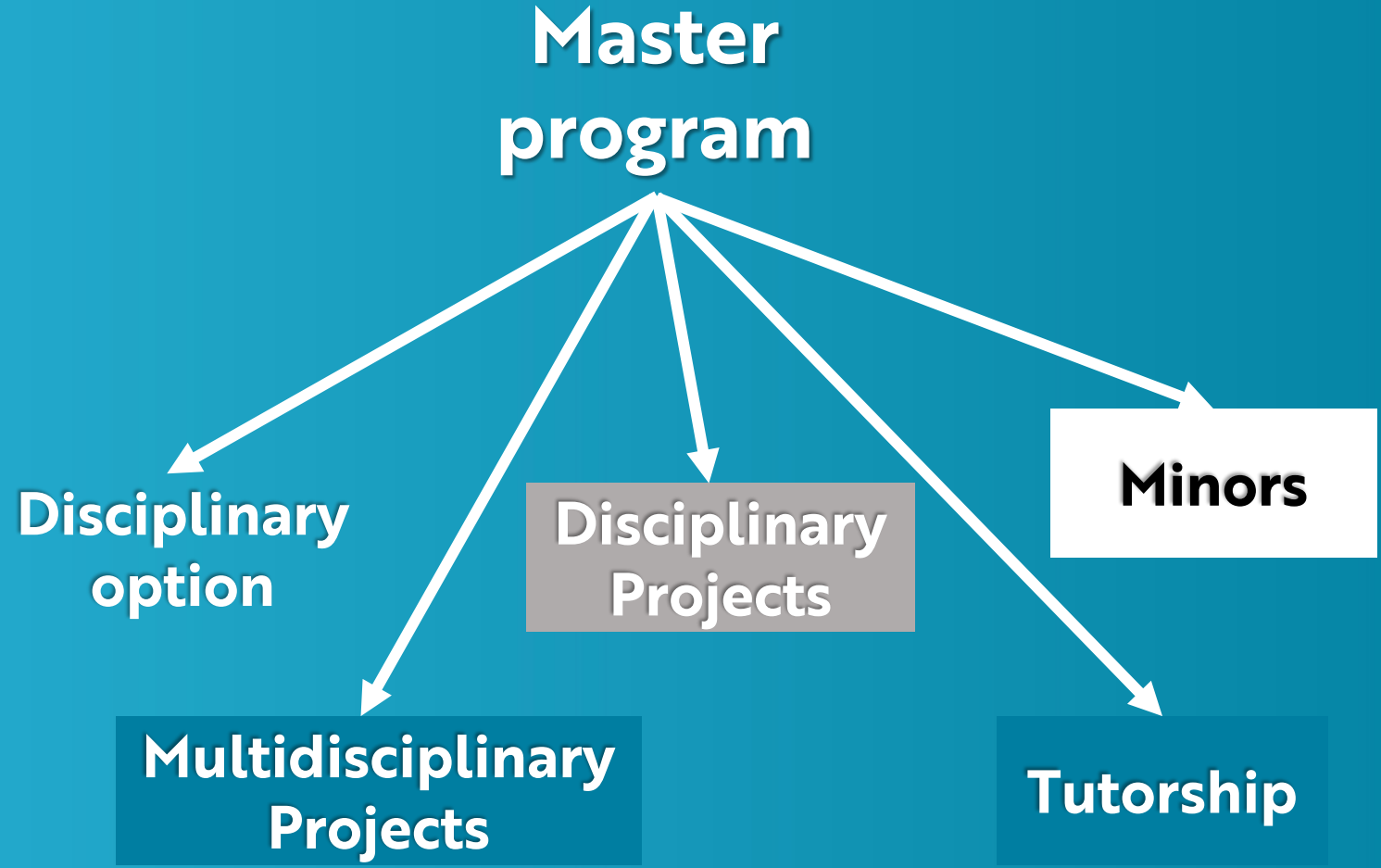
**Master /  
PhD Student**



**Companies**  
APPRENTICESHIP  
INNOVATION



# Explore





**Johan Montagnat**  
Directeur



**Luc Deneire**  
Co-directeur



**Gilles Bernot**  
Directeur adjoint Pédagogie



**Walid Dabbous**  
Directeur adjoint Recherche



**Michel Winter**  
Relations Entreprises



**Sophie Pluton**  
Cheffe de projet



**Anne-Laure Simonelli**  
Ingénieure pédagogique



**Guillaume Urvoy Keller**  
Relations internationales



**Marion Mounier**  
Communication



**Isabelle Saussez**  
Assistante



**Virginie Valot**  
Assistante pédagogique



**Lucie Costes**  
Chargée de mission Académie RISE

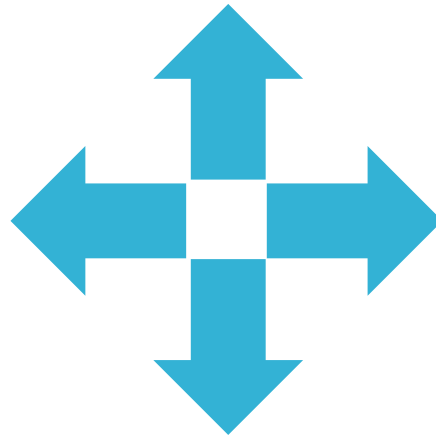


# Use all opportunities

## Newsletters

## Seminars

Forum Numerica  
Industry Seminar



## Social networks



@EUR\_DS4H



DS4Hnews



DS4H

...and on **link** 



<http://ds4h.univ-cotedazur.eu>



[ds4h-contact@univ-cotedazur.fr](mailto:ds4h-contact@univ-cotedazur.fr)

8h45-9h15

# DS4H Masters training offer

Anne-Laure Simonelli, Pedagogical Engineer  
[anne-laure.simonelli@univ-cotedazur.fr](mailto:anne-laure.simonelli@univ-cotedazur.fr)



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# Check your mailbox!

**Don't miss any emails from the University!  
Automatically forward  
your .etu@univ-codazur.fr account  
to your favorite one!**

1. Go to your « ENT ». section « Ma messagerie »
2. Click on the gear  at the top right of the page
3. Click on « Parametres de mes applications > Courrier »
4. Click on « Comptes > Transfert »
5. Type in the e-mail address of your choice, tick the box « Conserver une copie » and click on « Enregistrer »





# DS4H Community – What is your training?

[www.wooclap.com/PEINOO](http://www.wooclap.com/PEINOO)

C. Di Giusto & A. Tettamanzi **M1 Informatique**

**M1 EiT** F. Baude

~~E. Formenti & A. Tettamanzi **M2 Informatique et Interactions**~~

**M1 + M2 HIC MAJIC** M. Marti & J-F Trubert

~~Y. Roudier **M2 Ingénierie informatique, Ubinet**~~

**M1 + M2 HIC MAPIC** C. Masoni

P. Renevier **M1 MIAGE**

**M1 Ergonomie ECTN** E. Galy & P. Therouanne

~~A. Blandel **M2 MIAGE INTENSE**~~

**M1 + M2 LTITPC** D. Passino

~~N. Sauvage **M2 MIAGE SIRIS**~~

G. Mopolo-Moke **M2 MIAGE MBDS**

**M1 LEA LAI RFI** J.P. Darnis

~~M. Winter **M2 MIAGE IA2**~~

**M2 LEA TRE** S. Labat-Jacqmin

M. Al Khalfioui **M1 Master Electronique (EEA)**

~~J. Lanteri **M2 Master Electronique (EEA)**~~

**PhDs from**

L. Arena **M1 + M2 Stratégie Digitale**

**ED STIC** C. Migliaccio

J. Bardy **M1 Droit des affaires AFF**

**ED DESPEG** F. Bellone

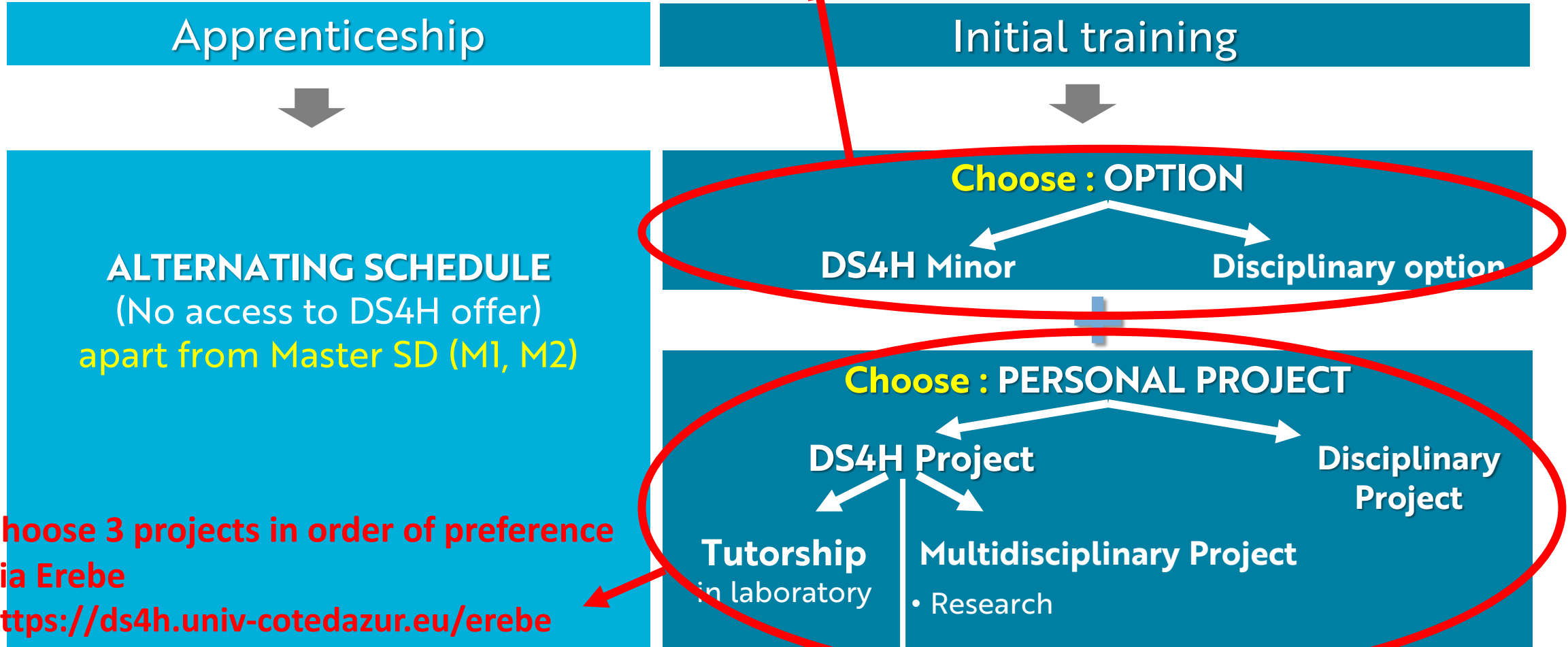
~~T. Marteu & A. Guesmi **M2 Digital IP & Law DPINT**~~

**ED SHAL** F. Mathy



# It is up to you!

Select 3 minors in order of preference via Erebe  
<https://ds4h.univ-cotedazur.eu/erebe>  
Deadline: Feb 8th!!!



Choose 3 projects in order of preference via Erebe  
<https://ds4h.univ-cotedazur.eu/erebe>  
Deadline: Feb 8th!!!





## DS4H Minors

- 3 ECTS
- On Thursday mornings
- No pre requisite
- From mid-Feb to mid-April
- In English

<https://ds4h.univ-cotedazur.eu/minors>

## DS4H Research Projects

- 3 to 6 ECTS
- One day / week for a minimum of 8 weeks
- + one full week immersion

<http://erebe-vm6.i3s.unice.fr:8080/eur-options/#P310000>



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# DS4H minors

<https://ds4h.univ-cotedazur.eu/minors>

- One choice/ semester (3 ECTS)
- On Thursday morning
- In English
- Without prerequisites (except few \*)

## Additional courses allowing you to access new disciplines alongside your major.

### Personal development

- Tools 2 Communicate
- Introduction to Scientific Research
- Organize your work in project mode

### Innovation and Creativity

- Innovation and Design Thinking
- Innovation and Creativity

### Technical

- Quantum Technologies\*
- Digital IP & Law
- New Technologies Law

### Digital Culture

- Accessibility and Universal Design
- Artificial Intelligence and Video Game\*
- Programming 3D Games on the Web \*

### Business

- Website creation Workshop
- Deep Tech Entrepreneurship

\* Check if prerequisites!



# DS4H Projects

- 3 to 6 ECTS
- One day / week for a minimum of 8 weeks
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<http://erebe-vm6.i3s.unice.fr:8080/eur-options/#P310000>



# DS4H Research Projects

<http://erebe-vm6.i3s.unice.fr:8080/eur-options/#P310000>



Tutorships and multidisciplinary projects browser

## Choose your Project...

## ...in accordance with the domain

[www.wooclap.com/PEINOO](http://www.wooclap.com/PEINOO)

You can discover tutorships and multidisciplinary projects proposed here. Project selection is possible [from this page](#) until February 8, 2022. If you are interested in a subject, **get in touch with the advisor by email**. Tutorships allocations depend on the agreement of the advisor regarding the student profile. Multidisciplinary projects allocation depend on the constitution of the multidisciplinary team.

2021 - 2022 ▾ 2nd semester ▾

<Any type> ▾ In <Any domain> ▾ or ▾ or ▾

Tutorship	Computer Science	<a href="#">Ramon Aparicio Pardo</a> (Inria)	<a href="#">Quantum Entanglement Routing</a>
Tutorship	Electronics	<a href="#">Cécile Belleudy</a> (LEAT)	<a href="#">Etude et conception d'un environnement de développement de modèle d'apprentissage automatique</a>
Tutorship	Computer Science	<a href="#">Luc Hogie</a> (I3S)	<a href="#">Développement d'une plate-forme Web pour Terra Numerica</a>
Tutorship	Computer Science	<a href="#">Luc Hogie</a> (I3S)	<a href="#">Conception and implementation of a distributed platform for the experimentation of distributed computing in the IOT</a>
Tutorship	Computer Science	<a href="#">Luc Hogie</a> (I3S)	<a href="#">Conception and implementation of a distributed platform for the experimentation of distributed computing in the IOT - interoperability using REST</a>
Tutorship	Computer Science	<a href="#">Luc Hogie</a> (I3S)	<a href="#">Web developeronomics: Conception and implementation of a Web graph library/platform</a>
Tutorship	Computer Science	<a href="#">Luc Hogie</a> (I3S)	<a href="#">Programmation de robots pour le projet TerraNumerica.</a>
Tutorship	Electronics	<a href="#">Jean Pierre FOLGHER</a> (UMR7283)	<a href="#">Interférométrie et commande des systèmes</a>
Tutorship	Electronics	<a href="#">Claire Migliaccio</a> (LEAT)	<a href="#">Modèle électromagnétique simplifié de l'épaule pour l'imagerie microonde appliquée au domaine biomédical</a>
Tutorship	Computer Science	<a href="#">Olga Chuchuk</a> (INRIA)	<a href="#">Size-aware caching for the Worldwide LHC Computing Grid (WLCG)</a>
Tutorship	Computer Science	<a href="#">Julien Provillard</a> (I3S)	<a href="#">Parcoursup en Rust</a>
Tutorship	Digital Management and Economy	<a href="#">Marta Bailatore</a> (GREDEG)	<a href="#">Les facteurs qui amènent les entreprises à collaborer et co-innover : le rôle des smart contracts dans la création de confiance.</a>

Type	Domain(s)	Advisor	Title
Tutorship	Computer Science	<a href="#">Sid Touati</a> (I3S)	<a href="#">Optimisation des performances d'un programme par compilation optimisante</a>
MultiDisc.	Computer Science, Other	<a href="#">Sid Touati</a> (I3S)	<a href="#">Analyse et optimisation des performances d'une application de calculs scientifiques: simulation de fusion nucléaire au sein du projet ITER de Cadarache</a>
MultiDisc.	Computer Science, Other	<a href="#">Sid Touati</a> (I3S)	<a href="#">Etude des performances et parallélisation d'une application de simulation biologique: la plateforme logicielle MACULAR</a>
Tutorship	Computer Science	<a href="#">Chadi Barakat</a> (Diana Project-T)	<a href="#">Mining the ACQUA dataset and improving the application behavior</a>
Tutorship	Computer Science	<a href="#">Frédéric Mallet</a> (Inria)	<a href="#">K-Framework pour le temps logique</a>
Tutorship	Computer Science	<a href="#">Margarida Romero</a> (LINE)	<a href="#">Développement informatique (ou analyse de données) dans l'analyse d'une tâche de résolution de problèmes</a>
MultiDisc.	Digital Management and Economy, Computer Science	<a href="#">Jean-Sébastien Vayre</a> (GREDEG)	<a href="#">Quantitative study of patents in the field of artificial intelligence applied to health.</a>
MultiDisc.	Digital Management and Economy, Computer Science	<a href="#">Jean-Sébastien Vayre</a> (GREDEG)	<a href="#">DESIGN OF A TOOL FOR AUTOMATIC ACQUISITION, PROCESSING AND VISUALIZING THE NETWORK OF PRIVATE AND PUBLIC ACTORS INVOLVED IN THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES</a>
Tutorship	Computer Science	<a href="#">Mirella Bay-Fornarino</a> (I3S)	<a href="#">Automatic construction of configuration interfaces for Data Scientists</a>
Tutorship	Computer Science	<a href="#">Gaelan Rey</a> (I3S)	<a href="#">Prise en compte des intensions utilisateurs pour l'adaptation contextuelle</a>
Tutorship	Electronics	<a href="#">Jérôme Lanteri</a> (LEAT)	<a href="#">3-D Printed All-Dielectric Reflectarray For Radar Applications</a>
Tutorship	Computer Science	<a href="#">Marie-Agnes Peraldi Frati</a> (I3S/INRIA)	<a href="#">Specification language for IoT system deployment</a>
Tutorship	Computer Science	<a href="#">Daniel Gaffé</a> (LEAT)	<a href="#">Génération automatique d'architectures matérielles de Réseaux de neurones</a>
MultiDisc.	Computer Science, Digital Law, Digital Management and Economy	<a href="#">Gilles Menez</a> (I3S)	<a href="#">Internet des Objets pour la surveillance des personnes dépendantes</a>
Tutorship	Computer Science	<a href="#">ali Ballout</a> (I3S)	<a href="#">Calculating ontological distances in python</a>
Tutorship	Computer Science	<a href="#">Jean Martinet</a> (I3S)	<a href="#">Neuromorphic hardware comparison: Human Brain Project SpiNNaker vs Intel Loihi</a>
Tutorship	Computer Science	<a href="#">Jean Martinet</a> (I3S)	<a href="#">Synaptic delays for temporal pattern recognition</a>
Tutorship	Computer Science	<a href="#">Jean Martinet</a> (I3S)	<a href="#">Stereo Matching for Event-Based Cameras Demonstration</a>