

## IMI's students Trip

### Who ?:

Computer Science and Applied Mathematics department students, master's degree.

### Where ?:



### Our goal:

This creative workshop will allow to initiate our students, second year (master's degree) from Computer Science and Applied Mathematics (IMI) of École des Ponts and students from last year of bachelor's and master's degree in Advanced Physics and Applied Mathematics-University of the Balearic Islands, to "research for innovation". At the end of this week, students will acquire (or confirm) the necessary skills: there are a number of questions that must be addressed before tackling a project. Ideally, they will be able to propose the first step towards a solution.

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## Programme

### Sunday 9 september 2018

**9h30 (Paris) :** [Aéroport d'Orly](#), departure to Balearic Islands  
Meeting @the Exit to take our Tour bus

### Monday 10 september 2018

**9h00-9h15 :** Kick-off  
**9h15-9h45 :** Research @ UIB  
**9h45-10h15 :** Research for Innovation : [E. Duceau](#)  
**10h15-12h00 :** Work in group (with the teacher)  
**12h00-13h30 :** Lunch  
**13h45-18h30 :** Work in group (with the teacher)

### Tuesday 11 september 2018

**9h15-12h00 :** Work in group (with the teacher)  
**12h00-13h30 :** Lunch  
**13h45-18h30 :** Work in group (with the teacher)

### Wednesday 12 september 2018

**9h00- 12h00 :** Visit the « **a research center of Balearic Islands** »  
**12h00-13h30 :** Lunch  
**14h00-18h00 :** Work in group (without the teacher)

### Thursday 13 september 2018

**9h15-12h00 :** Work in group (with the teacher)  
**12h00-13h30 :** Lunch  
**14h00-16h30 :** Posters preparation  
**16h35-18h00 :** Work in group (with the teacher)

### Friday 14 september 2018

**10h30 :** Departure by bus: [Airport « Balearic Islands »](#) to France (Orly)



**Initiation  
to « Research and Innovation »  
Workshop**



**10 - 14 September 2018  
Computer Science  
& Applied Mathematics department (IMI)  
Ecole des Ponts ParisTech**

**Mathematics and Computer Science  
Universitat de les Illes Balears**

<https://imi2018.enpc.fr>



# Research & Innovation

## Why is this skill so important?

"Real-life" problems are often ill-posed problems. A real challenge for the engineer is to reframe these difficult problems and turn them into a "more tractable one". However, applied mathematics engineers need to engage with all the actors (other engineers or sometimes customers). An opportunity to engage these dialogues: to be able to ensure a well-honed ability to explain complex concepts, to understand the problems of each contact and to suggest the tools that best meet their needs.

## The methodology:

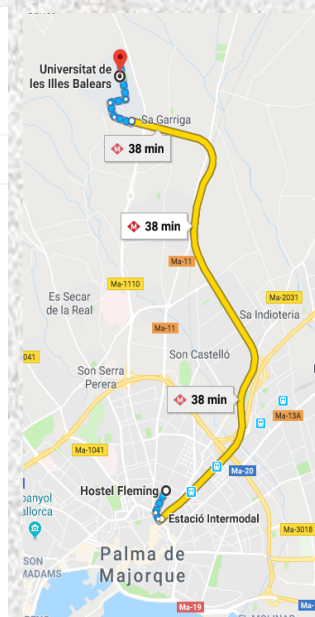
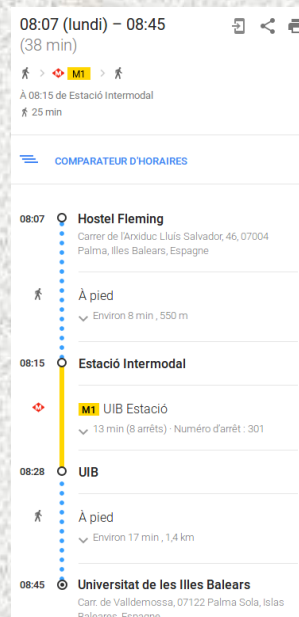
9 projects are proposed by researchers or industrials. The students should decide on a topic (choose a project). Each project is handled by a group of 5-6 students. Deadline: 11 June 2018.

## The benefit of this week:

Another interesting viewpoint is the intercultural work. Spanish students (bachelor's and master's degree, UIB) will work with French students (master's degree, École des Ponts).

This workshop is valued at **1.5 credits (ECTS)** for our students.

Last, this week may be the opportunity to give rise to vocations.



## A few useful addresses

### Visits :

#### Tourist Office:

<http://www.infomallorca.net/>

#### Balearic Islands University:

Carr. de Valldemossa, km 7,5, 07122 Palma, Islas Baleares, Spain

### Hotel :

#### Hostel Fleming

Carrer Arxiduc Luís Salvador, 46, 07179 Deià, Illes Balears, Espagne

+34 912 75 74 01

GPS: Lat. : 39.748993 | Long. : 2.641899



Important



### Please, don't forget:

- On the basis of your nationality, please check if you need a visa
- A valid ID or passport
- the meals are on your own: you need money.
- To the extent possible, It is better to bring your own laptop, preferably with Matlab, Scilab or GNU Octave preinstalled