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IDEASQUARE WELCOME PACKAGE

For visiting students

https://ideasquare.cern

5 DECEMBER 2019

CERN

Ideas

WHY ARE WE HERE?

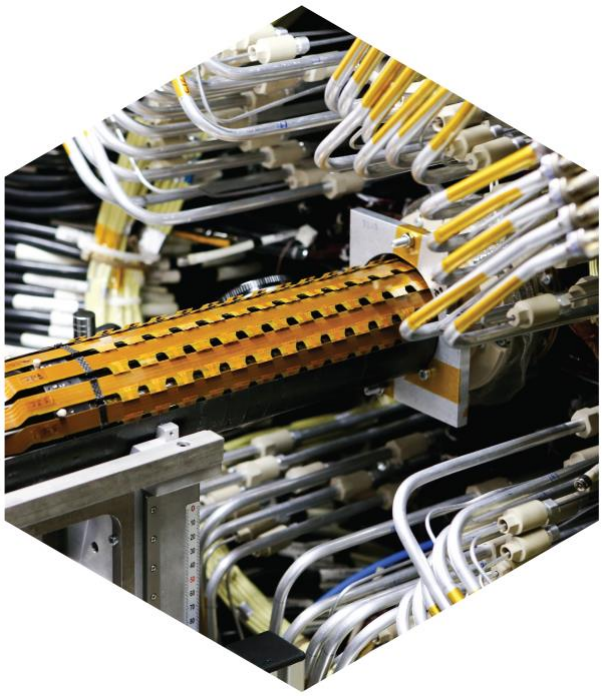
IdeaSquare is a pilot project hosting detector R&D and upgrade projects and facilitating workshops, hackathons and cross-disciplinary university student programmes in a dedicated building at CERN, next to the Globe of Innovation (B3179).

How might we apply CERN expertise to achieve societal impact?

IdeaSquare is a place at CERN where ideas and people can meet and mix, demonstrating the value of fundamental science. IdeaSquare hosts detector-related upgrade and R&D projects such as the CERN Neutrino Platform which, in parallel, permit testing new ideas of how the scientific instruments could be used outside the domain of particle physics.

Always start with *why* – understanding the problem is far more important than understanding the solution. Thus, we encourage you to dedicate the first part of your learning journey to studying the problem thoroughly, before jumping into solutions.

Once you have a clear understanding of the problem, it is time to familiarize yourself with the solution space. IdeaSquare works in close collaboration with CERN Knowledge Transfer (KT), a group which is in charge for the industry collaboration with regards to CERN technology. When it's time to start thinking which technologies might be useful in solving your problem, a good place to start is the KT portfolio, which is publicly available at https://kt.cern Additionally, you might want to familiarize yourself with these Value Proposition cards prepared by the KT group on selected CERN technologies. If you find technologies that might be relevant for you, contact the IdeaSquare staff to help you get in contact with the relevant people.

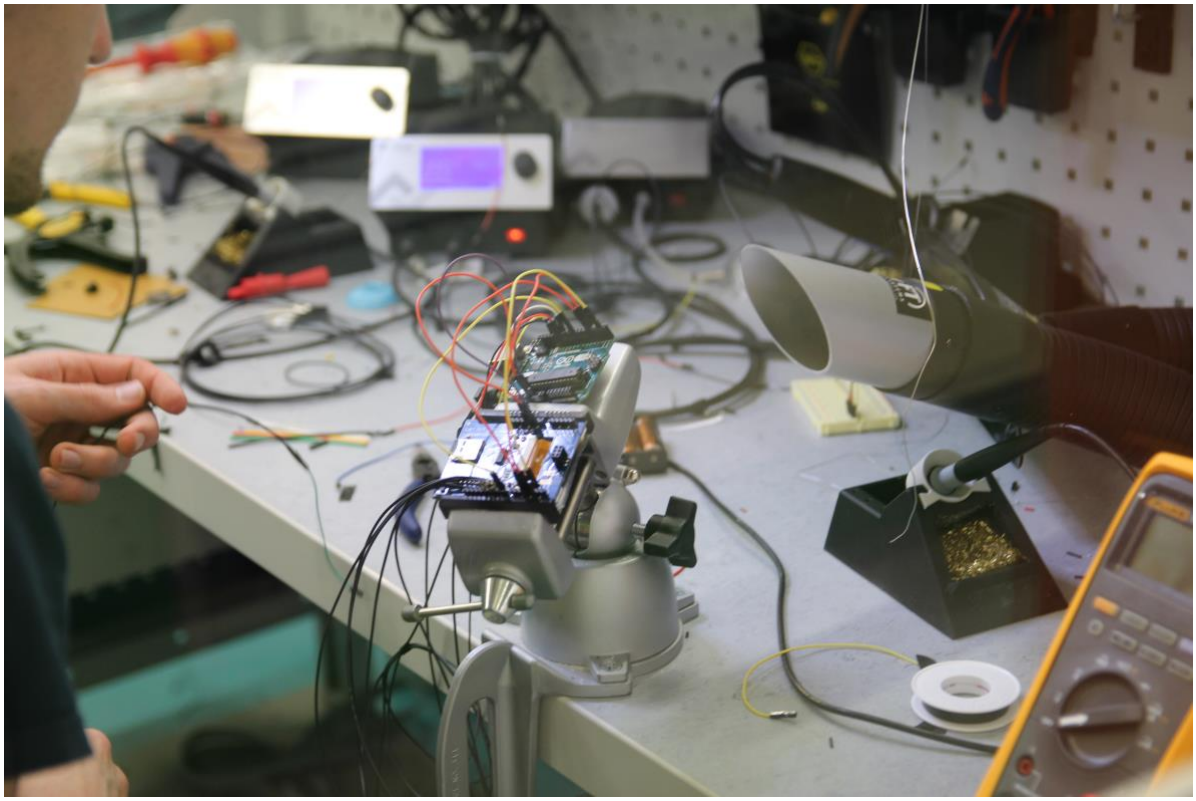


For teachers: It is advisable to expose the students to the CERN KT portfolio a few weeks before their trip to CERN. This way they will have time to contact relevant people within CERN before their arrival, so that meetings can be agreed on the week of the visit. For courses where there are more than 1 visit, it might be a good idea to save this one for the second trip, since usually we try to focus on understanding the problem before discussing the solutions.

WHAT TO EXPECT?

Our aim is to make your visit to CERN the best experience of your life-long learning career. If you have any questions or wishes, please don't hesitate to contact us through your teaching team.

IdeaSquare is a maker space with an electronics workshop, a machine workshop, a 3D printing lab and a number of group work rooms (or shipping containers, to be precise). All of these spaces are at your disposal after you have received an introduction to the spaces from IdeaSquare staff. If you have any special requests with regards to prototyping equipment or material, the IdeaSquare staff will be happy to do our best to accommodate those. However, please do contact us a week or two in advance so that we have time to order any special material or equipment you might need.



Visiting students should take note of the following:

1. Geneva area is unfortunately rather expensive. As an indication, the minimum living cost in the Geneva area corresponds to ca 60 CHF per day (lunch & dinner at CERN Restaurant 1 costs between 8 – 16 CHF)
2. IdeaSquare is accessible Monday – Friday 7am – 7pm with a visitor badge **and** a photo ID. The visitor badge you must print once you receive it via email, after your registration has been approved. To enter outside these hours, students need to be

accompanied by an access card holder (typically a teacher or someone working at CERN)

Figure 1 - Without one of these (printed) + photo-ID, you cannot enter CERN

3. All visitors must adhere to the CERN safety rules at all times, and respect CERN IP policies
4. We encourage our visitors to go outside to refresh themselves in the mountain air, but do restrict activities such as games, skateboarding etc. strictly to the area in front of IdeaSquare (within the yellow lines that mark the walking path). We are located next to the ATLAS site and their flammable gas storage, which means that there are cars and heavy equipment moving on the other side
5. Because CERN Point 1 is categorized as a technical site **no alcohol** is permitted at IdeaSquare (yes, wine does contain alcohol even if you have it with dinner).

We also recommend registering for the CERN Wi-Fi already before the day of your arrival, as registration might take a while and problems may occur. You can find the instructions on the Indico page of your course.

To make life easier (and cheaper) for our visiting students, IdeaSquare is equipped with a small but fully equipped kitchen, which we encourage the students to use. As the building and the facilities are also shared with CERN researchers working on their projects at IdeaSquare, we request our students to follow and respect our general guidelines. It is very important that the kitchen is left as tidy when you leave as it was when you arrived!

1. Please tidy up the cooking area after your cooking and place all dirty dishes, mugs, pans, pots and other items in one of the two available dish washers. There are three levels; first for knives and forks, second for mugs and cups and the third level for plates, pans, pots etc.
2. The status of the washing machine is indicated on the front cover with “Dirty”, “Washing”, or “Clean”. Place the dirty dishes in the “Dirty” machine and when it is full, start the program and change the status to “Washing”. When the program has finished, **please empty the dish washer** and change the status to “Clean”
3. To start the dish washer, please add the detergent tablet from the cupboard below the kitchen sink (“Soap & Co”) and then follow the instructions that are printed on the cupboard above the machine
4. If both washers are in use but you still have dirty dishes, please wash them **manually**, dry them, and **place them back into the right cupboards, do not leave them drying on the sink.** We don’t wish to see sad images of abandoned pans like pictured below. We wish your parents were working for us in the kitchen, but alas, they are not ☹

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