

# Application to attend ISOTDAQ 2019

## Please note

- To benefit from the school, you will have to be sufficiently fluent in English. You will not only have to be able to follow the lectures but also to express yourselves during the interactive practical exercises.
- In some of the practical exercises you will have to understand, or actively complete, code written in C and C++. This requires familiarity with C/C++ syntax, error handling, the use of pointers and methods, structures and other elements of the language. We are happy to recommend exercises to you if you want to refresh your programming skills before the school.
- Please answer questions using the boxes provided.
- **Royal Holloway and ISOTDAQ value, and are committed to, equality and diversity and support and encourage applications from all sections of the community.**

## Personal details

Name and Surname:

Current home address and e-mail address:

## Education

Please state your current level of study (e.g. MS student, PhD student, post doc, etc.):

Please state your field of study/expertise (e.g. physics, IT, engineering):

Please describe your current specialization (HEP, nuclear physics, S/W development, special field of engineering, etc.):

Please provide a list of university degrees/qualifications completed or in progress:  
*(You are welcome to list any specific modules which may be relevant, but this is not mandatory)*

Please list any publications, certificates, teaching activities or professional experiences as well as anything else that you feel is relevant to your application:

## Skills

Please answer the questions below to better describe your general skills.

### Software & Computing

Describe the largest or most complex C or C++ program to which you were a major contributor. What was your contribution? Optionally: provide a link to a C/C++ project that you have developed on GitHub or another platform.

Have you ever developed a LabView VI? Please give details:

Please indicate your level of familiarity with Linux by selecting from the following options (fill in check box):

- User
- Application developer
- Device driver developer
- System administrator

Have you ever administered or configured network devices (switches, routers)? If so, please describe your role in more detail:

## Electronics & Hardware

Do you know how to use an oscilloscope and a multi-meter?

Yes /  No

Have you ever developed an electronic circuit? If so, please give details:

Have you ever developed firmware for an FPGA? If so, please give details:

Have you ever worked with NIM, VMEbus or PCI based modules or instruments? If so, please give details:

## Data processing

Please indicate with which data processing/manipulation software you are familiar (e.g. ROOT, Matlab, octave):

## Experience

Please give details of any current or previous involvement in an experiment or research project. Was any of this experience related to Trigger and Data Acquisition (TDAQ) technology?

Have you ever received any TDAQ related training either at university or elsewhere? If so, please give details:

## Motivation

Please provide a brief statement telling us why you would like to attend this school. In your answer please indicate whether TDAQ is an area that would interest you for your professional future or if you would like to attend this school for background information.

If you are still in education, how will the school complement your training?

## Financial support

Will you receive financial support from your University or a 3<sup>rd</sup> party for attending ISOTDAQ?

Yes /  No

Will you require financial support from the ISOTDAQ organization in terms of the school fee? If so, please indicate what fraction of support will be required (as a percentage):