Summer Student News

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Modular supercomputer enters next round with DEEP-EST project

Tuesday, 4 July, 2017

We're very pleased to announce our participation in a new EU project, which officially began on 1 July. The project, called DEEP-EST, aims to develop 'a modular supercomputer tailored to the complexity of state-of-the-art simulation codes and the growing range of tasks at computing centres'. It follows on from the successful DEEP and DEEP-ER projects. Find out more in the press release from Forschungszentrum Jülich: http://www.fz-juelich.de/SharedDocs/Pressemitteilungen/UK/EN/2017/2017-07-03-deepest.html .

Tue, 04 Jul 2017 13:02:56 +0000 перейти →

New design unveiled for our new phase

Monday, 19 June, 2017

We're pleased to announce that CERN openlab has officially launched its new logo and design package today! We're working on a whole new array of communications tools for the start of our new three-year phase in 2018, including a brand new website! We'll use these tools in our efforts to further spread the word about the groundbreaking work carried out through our unique public-private partnership. Help us to spread the word about CERN openlab by sharing our new brochure: http://cern.ch/go/9nJm

Mon, 19 Jun 2017 10:20:22 +0000 перейти →

CERN openlab summer students arrive at CERN

Monday, 19 June, 2017

Today, the first students participating in the 2017 CERN openlab Summer Student Programme have arrived at CERN. In total, 37 students were selected from over 1500 applicants to the programme. The remaining students will arrive over the next two weeks.

The students will spend nine weeks at CERN working on a range of exciting projects. They will also attend fascinating lectures, take part in organised visits to other research institutions and companies, and gain hands-on experience with the latest ICT hardware and software.

The lecture series for the summer students includes talks from leading experts in a range of fields related to ICT and high-energy physics. The lectures, which are listed in our events calendar , can be followed online via webcast.

CERN openlab has now been running its summer student programme for 15 years, with over 300 students coming to the laboratory as part of the programme. More information about the CERN openlab Summer Student Programme is available on our dedicated page .

Mon, 19 Jun 2017 14:23:46 +0000 перейти →

Training tomorrow's ICT specialists: Summer students return to CERN

Monday, 12 June, 2017

Next week, the first 2017 CERN openlab summer students will arrive at the laboratory. For the 37 students selected, a summer of enriching work — with fascinating lectures, exciting trips, and hands-on experience with the latest ICT hardware and software — awaits.

CERN openlab has been running its summer student programme for 15 years. During this time, roughly 300 students from across the globe have come to CERN to spend the summer working on cutting-edge ICT projects. Aided by the skills and knowledge developed during their summer at CERN, many of our student alumni go on to exciting careers in the ICT industry. Some of our students also return to CERN, in roles that may or may not be directly related to the projects they carried out over summer.

Our 2016 summer students enjoyed their time at CERN so much that nine of them are already back working at the laboratory! "The summer student programme is a unique experience," says Kristina Satara from Serbia, who has returned to CERN to work in the Controls Group in the Beams Department. "It's a great introduction to life at CERN; it really gives you an insight into the wide range of roles that exist and how you could participate."

"Working on a project over summer was a great experience," says Emil Kleszcz from Poland. "I realised that, even in the limited nine-week period we spent at CERN, it is really possible to develop something that will be put to use at the laboratory." Kleszcz, who is now working on asset management and maintenance in the Engineering Department, continues: "Working on my project over summer helped me to believe in my own skills."

"As a summer student, you get to work with — and learn from — leading ICT experts," says Ahmad Hesam from the Netherlands, who has returned to CERN to work on a project called BioDynaMo. "CERN is a place where you're surrounded by knowledge and expertise; there's no limit to how much you can learn."

As well as developing their technical skills in a challenging research environment, the CERN openlab summer students are able to pick up new 'soft skills' that can be of great use in their future careers — at CERN and beyond. For many, it is their first time working in such a large, international context.

"It was my first taste of living and working abroad," says Dimitrios Christidis from Greece, who is now back working on a project related to the Worldwide LHC Computing Grid. "Having gone through the CERN openlab Summer Student Programme gave me more confidence when applying to return to CERN in this new role."

"One of the most important aspects is the multicultural environment, says Jelena Banjac from Serbia, who is also now working with the Beams Department, after having spent last summer with the LHCb experiment. "It is amazing to get to interact with and learn from all these people with such different experiences."

Thus, if you're a student aspiring to a career in ICT, the CERN openlab Summer Student Programme is the place for you. It can help you to gain unique experience and develop key skills that could be vital to launching your career — at CERN, with one of our collaborators, or beyond!

More information about the CERN openlab Summer Student Programme is available on our dedicated page . Be sure to check our website in in December to find out how you could apply to become a summer student in 2018. In the meantime, you can get a flavour of the programme by following the summer students' lecture series over the coming months (more information can be found in our event calendar).

Thu, 08 Jun 2017 15:10:36 +0000перейти →

Students selected for 2017 CERN openlab Summer Student Programme

Thursday, 18 May, 2017

We would like to thank each of the 1580 students who applied to the CERN openlab Summer Student Programme. This year, 37 students have been selected from 22 different countries.

The students selected will come to CERN for nine weeks over the summer. At the laboratory, they will work with some of the latest hardware and software technologies, and see how advanced ICT solutions are used in high-energy physics. The students will also have the opportunity to attend a series of lectures given by IT experts on advanced CERN-related topics and will take part in visits to various CERN facilities and experiments, as well as other research laboratories and companies.

The full list students selected for 2017 is available here: http://cern.ch/go/6kJV . For those students who were not successful in their application, we strongly encourage you to apply again for next year's programme (applications will open in December).

Thu, 18 May 2017 13:35:34 +0000перейти →

Applications now open for CERN openlab Summer Student Programme 2017

Thursday, 1 December, 2016

Applications for the 2017 CERN openlab Summer Student Programme are now open. Apply and open a world of possibilities!

By joining the programme, you will work on ambitious IT projects using some of the latest hardware and software technologies, and see how advanced IT solutions are used in high-energy physics. In addition, you will have the opportunity to attend a series of lectures developed for the CERN openlab summer students, given by IT experts on advanced CERN-related topics. Included in the programme are also visits at the CERN facilities and experiments, as well as other research laboratories and companies.

The CERN openlab Summer Student Programme is much more than just a summer at CERN. It can lead to follow-on projects in your home institute. It may even inspire you to become an entrepreneur in cutting-edge computing technologies!

More details on the CERN openlab Summer Student Programme are available here .

Apply now on the 'Careers at CERN' website . The deadline for submitting applications is 15 February, 2017 (23:59 CET).

Thu, 01 Dec 2016 14:43:26 +0000перейти →

2016 CERN openlab summer student programme closes with 'lightning talks'

Friday, 19 August, 2016

Earlier this week, this year's CERN openlab summer students presented their work in two dedicated public 'lighting talk' sessions. In 5-minute presentations, each student explained the technical challenges they have

faced and described the results of what they have been working on for the nine weeks they have spent at CERN.

Projects presented covered a diverse range of topics, including high-performance computing, big data, visualisation, and machine learning.

The lightning talks were split into two sessions. A panel composed of CERN IT department experts and the audience voted for their three preferred talks from each session.

The winners from [the first session](#) were as follows:

1st **place:** [Mayank Sharma](#) (' *[real-time visualization tool](#)* ').

2nd **place:** [Shubham Gupta](#) (' *[database consistency verification for CMS metadata](#)* ').

3rd **place:** [Dominik Ernst](#) (' *[performance studies on different accelerators using OpenCL](#)* ').

The winners from [the second session](#) were as follows:

1st **place:** [Ahmad Hesam](#) (' *[Human Brain Development Project](#)* ').

2nd **place:** [Dinika Saxena](#) (' *[resource visualisation](#)* ').

3rd **place:** [Esther Kok](#) (' *[GeneROOT"](#)*).

Following careful deliberation by the judges, Ahmad Hesam was selected as the overall winner for 2016. "I was new to both the ROOT and the BioDynaMo platforms that were central to my project, so I needed to work hard to get acquainted with these, says Hesam. "It's been a real challenge, but it's definitely been worth it. I've learnt a lot!"

"I'm very interested in big data technologies and physics, so CERN is definitely the place to be. My time here has really helped me to put the term 'big data' into perspective," continues Hesam. "Working together with other students from all around the world has also been a great experience."

The students have come from all across the globe for a summer internship at CERN, working on specialized advanced computing projects with applications in high-energy physics. As part of the programme, the students have also attended a series of lectures given by IT experts on advanced CERN-related topics and had the opportunity to visit the CERN facilities and experiments, as well as other research laboratories and companies such as ETH Zurich, OpenSystems, and EPFL.

Another highlight of the summer was [the CERN Summer Student Webfest](#) . The event is a hackathon, through which bright and creative minds meet over a weekend to build cool science projects using open web technologies.

This year's Webfest, which was supported by CERN openlab, featured over 50 participants collaborating on 13 projects over a weekend. It was a challenge to do something meaningful in such a short time, but I definitely learnt a lot," says Aytaj Aghabayli, one of several CERN openlab summer students who participated in the event and who was a member of the 'Blind Navigation' team. "It was a very valuable experience and it was good to work with people with a wide variety of skills."

"Overall, this year's CERN openlab summer student programme has been another great success," says Alberto Di Meglio, head of CERN openlab. "Once again, we've been greatly impressed by the drive and energy of the participating students. Their ideas and fresh perspectives help to drive CERN's work forward."

"On behalf of the whole CERN openlab team, I would like to thank each of the students for their excellent presentations this week," continues Di Meglio. "Education and training are core parts of CERN openlab's mission; we hope to see as many of you as possible back here at CERN in the future."

Fri, 19 Aug 2016 08:08:03 +0000перейти →

'Lightning talks' from the CERN openlab summer students

Thursday, 21 July, 2016

On Monday 15 and Thursday 18 August, this year's CERN openlab summer students will present their work in dedicated public 'lighting talk' sessions.

In 5-minute presentations, each CERN openlab summer student will introduce the audience to their project, explain the technical challenges they have faced, and describe the results of what they have been working on for the past few weeks.

It will be a great opportunity for the students to showcase the progress they have made so far and for the audience of people from the IT and other CERN departments to be informed about various IT projects, the solutions that the students have come up with, and the potential future challenges they have identified.

This year, the CERN openlab Summer Student Programme is hosting 39 students representing 21 different nationalities for nine weeks.

Bachelor and master students in computer science, mathematics, engineering, and physics have come from all over the world for a summer internship at CERN, working on specialized advanced computing projects with applications in high-energy physics.

As part of the CERN openlab Summer Student Programme, the students have been also invited to attend a series of lectures given by IT experts on advanced CERN-related topics and had the opportunity to visit the CERN facilities and experiments, as well as other research laboratories and companies such as ETH Zurich, OpenSystems , and EPFL .

The lightning talks will take place in the IT Amphitheatre (31/3-004) from 15:00 to 18:00 CEST on Monday 15 August and Thursday 18 August. Following the students' talks, there will be an opportunity to discuss their work with them over a networking cocktail. For more information, please visit the Indico pages: 15/08/2016 and 18/08/2016 .

Thu, 21 Jul 2016 09:09:18 +0000перейти →

Announcement of the students selected for the CERN openlab Summer Student Programme 2016

Monday, 2 May, 2016

We would like to thank each of the 1481 students who applied for this year's CERN openlab Summer Student Programme and congratulate the students who have been selected. The full list of successful applicants is available here .

Mon, 02 May 2016 15:07:07 +0000перейти →

Applications now closed

Tuesday, 1 March, 2016

Thank you for your interest in the CERN openlab 2016 Summer Student Programme. As of March 1, 2016, we have ended up with 1481 candidates.

We will be announcing the new selected students by the end of April.

Tue, 01 Mar 2016 13:05:37 +0000[перейти →](#)