



## Cern OpenLab News

URL: <http://openlab.web.cern.ch/news> (<http://openlab.web.cern.ch/news>)

 (<http://openlab.web.cern.ch/feeds/news/rss.xml>)

Ενημερώθηκε: πριν από 14 λεπτά 6 δευτερόλεπτα

**Innopolis University joins CERN openlab as a research member** (<http://openlab.web.cern.ch/news/innopolis-university-joins-cern-openlab-research-member>)

Πέμ, 07/04/2016 - 18:00

Thursday, 7 April, 2016

Russia's Innopolis University has joined CERN openlab as a research member. The collaboration will focus on modernisation of code used for biological simulation.

Find out more: [http://openlab.cern/resources/press\\_release/european-organization-nuclear-research-cern-and-innopolis-university-signed](http://openlab.cern/resources/press_release/european-organization-nuclear-research-cern-and-innopolis-university-signed) ([http://openlab.cern/resources/press\\_release/european-organization-nuclear-research-cern-and-innopolis-university-signed](http://openlab.cern/resources/press_release/european-organization-nuclear-research-cern-and-innopolis-university-signed)).

Κατηγορίες: [Physics Department - Extern RSS Feeds \(/el/aggregator/categories/1\)](#)

**Welcome to openlab.cern** (<http://openlab.web.cern.ch/news/welcome-openlabcern>)

Τετ, 23/03/2016 - 16:37

Wednesday, 23 March, 2016 ([http://openlab.web.cern.ch/sites/openlab.web.cern.ch/files/styles/large/public/news/images/8903001\\_01-A4-at-144-dpi\\_0.jpg?tok=RCa0U7Ur](http://openlab.web.cern.ch/sites/openlab.web.cern.ch/files/styles/large/public/news/images/8903001_01-A4-at-144-dpi_0.jpg?tok=RCa0U7Ur))

We're pleased to announce that the CERN openlab website now has a new web address: **openlab.cern** (<http://openlab.cern/>)! The new '.cern' [top-level domain](https://en.wikipedia.org/wiki/Top-level_domain) ([https://en.wikipedia.org/wiki/Top-level\\_domain](https://en.wikipedia.org/wiki/Top-level_domain)) reflects the Organization's international nature and global recognition.

With its history as the birthplace of the World Wide Web, CERN has always been at the forefront of computer networking. So in 2008, when the [Internet Corporation for Assigned Names and Numbers \(ICANN\)](https://www.icann.org/) (<https://www.icann.org/>) opened up applications for top-level domains to new generic names and brands, CERN registered for its own.

Find out more about the history of the web at CERN [here](http://home.cern/topics/birth-web) (<http://home.cern/topics/birth-web>).

Κατηγορίες: [Physics Department - Extern RSS Feeds \(/el/aggregator/categories/1\)](#)

**Blog: A vibrant exchange of ideas and experiences at the BIWA Summit 2016** (<http://openlab.web.cern.ch/news/blog-vibrant-exchange-ideas-and-experiences-biwa-summit-2016>)

Τετ, 09/03/2016 - 15:32

Wednesday, 9 March, 2016

In the second of a series of blog posts focusing on CERN openlab's participation in global community events, research fellow Antonio Romero Marin reports back from the recent [BIWA Summit 2016](http://www.ioua.org/p/cm/ld/8fid=992) (<http://www.ioua.org/p/cm/ld/8fid=992>). Antonio is working on [the data analytics as a service project](http://openlab.web.cern.ch/technical-area/data-analytics) (<http://openlab.web.cern.ch/technical-area/data-analytics>) with CERN openlab partner company [Oracle](http://openlab.web.cern.ch/about/industry_members/oracle) ([http://openlab.web.cern.ch/about/industry\\_members/oracle](http://openlab.web.cern.ch/about/industry_members/oracle)).

I recently had the opportunity to attend — and speak at — the BIWA Summit 2016, which was held at Oracle headquarters in California, US. This conference is centred around the user community of Oracle technologies for business intelligence, big data, and advanced analytics. The program, which had several simultaneous tracks, included sessions by Oracle and industry experts, customer case studies, technical hands-on-labs, and networking events.

The overall quality of the presentations was very high and I was impressed by the technical depth shown in some of them. There were presentations given by Oracle representatives, including Mauricio Anrango and Alex Ardel, experts in streaming and data analytics technologies. Through these, I could learn technical details about solutions, development challenges, and future plans. At the same time, presentations given by customers and industry experts helped me to learn more about how they use Oracle technologies (some of which we also use at [CERN](http://home.cern/) (<http://home.cern/>)) to create advanced solutions for their business use cases. The conference also provided a nice environment for establishing contact with private industry and business users, to learn about their work and to share knowledge about common problems and concerns.

In addition, I was able to meet Oracle experts like Mark Hornick, with whom I have been collaborating through CERN openlab. I exchanged ideas and plans with him, as well as with other potential future collaborators. In my opinion, these face-to-face discussions and meetings have a significant positive impact on our collaboration and play a key role in reinforcing the links with our collaborators in CERN openlab.

One of the most important things for me whenever I am invited to speak at an event is to spread the word about CERN and CERN openlab. Even if an important segment of the audience is usually closer to business than research, people are always greatly interested in CERN's work studying the basic constituents of matter — the fundamental particles. They are also often curious to know more about how we collaborate with industry to accelerate the development of cutting-edge solutions for the worldwide [LHC](http://home.cern/topics/large-hadron-collider) (<http://home.cern/topics/large-hadron-collider>) community, as well as for wider scientific research. This positive feedback and the striking level of interest in our work ensures attending such events is always very rewarding.

In conclusion, it was a great experience to attend the BIWA Summit 2016. I enjoyed the sessions and I improved my understanding about a range of technologies. I also gained a wider overview of several fascinating business and industry use cases. For example, I learnt how a company working in the semiconductor industry uses Oracle technologies and machine-learning techniques to speed up root-cause analysis for faults. On top of this, I met lots of interesting people both from Oracle and independent companies, and I had the opportunity to present the work of CERN and CERN openlab to an external community. For all these reasons, I am very glad to have attended the BIWA 2016 Summit and look forward to attending again next year if possible.

Κατηγορίες: [Physics Department - Extern RSS Feeds \(/el/aggregator/categories/1\)](#)

#### **Applications now closed** (<http://openlab.web.cern.ch/news/applications-now-closed-0>)

Τρί, 01/03/2016 - 15:05

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.

Κατηγορίες: [Physics Department - Extern RSS Feeds \(/el/aggregator/categories/1\)](#)

#### **Blog: Working together to move mountains at the OpenStack Summit** (<http://openlab.web.cern.ch/news/blog-working-together-move-mountains-openstack-summit>)

Τρί, 01/03/2016 - 11:49

Tuesday, 1 March, 2016

In the first of a series of blog posts focusing on CERN openlab's participation in global community events, research fellow Marek Denis reports on last year's [OpenStack Summit in Tokyo, Japan](https://www.openstack.org/summit/tokyo-2015/) (<https://www.openstack.org/summit/tokyo-2015/>). Denis is working on [the cloud federation project](http://openlab.web.cern.ch/technical-area/compute-management-and-provisioning) (<http://openlab.web.cern.ch/technical-area/compute-management-and-provisioning>), which is building on the identity federation functionality developed with [Rackspace](http://openlab.web.cern.ch/about/industry_members/rackspace) ([http://openlab.web.cern.ch/about/industry\\_members/rackspace](http://openlab.web.cern.ch/about/industry_members/rackspace)) and the OpenStack community as part of [CERN openlab's fourth phase](http://openlab.web.cern.ch/about/phase-iv) (<http://openlab.web.cern.ch/about/phase-iv>) to enable easy deployment of applications across different [OpenStack](https://www.openstack.org/) (<https://www.openstack.org/>) clouds.

[CERN](http://home.cern/) (<http://home.cern/>) was selected as the winner of [the first ever OpenStack Superuser Award](http://openlab.web.cern.ch/news/and-first-openstack-superuser-award-goes-cern) (<http://openlab.web.cern.ch/news/and-first-openstack-superuser-award-goes-cern>) back in 2014, recognising the contributions made by CERN back to the wider OpenStack community. Members of the CERN openlab team are set to participate in [next month's OpenStack Summit in Austin, Texas](https://www.openstack.org/summit/austin-2016/) (<https://www.openstack.org/summit/austin-2016/>).

Working as a CERN openlab research fellow means that I work extensively on technologies and software not only with engineers from CERN, but also from collaborating companies. Working on OpenStack upstream usually entails working in a geographically distributed team. The OpenStack identity service (known as 'Keystone') is developed by team of engineers who live in Australia, China, Russia, Switzerland, UK, Canada, USA, etc. This means our contact is almost exclusively virtual and spread across different time zones (we hang out on #openstackkeystone on Freenode, an internet relay chat network). In other words, we don't get to see each other face-to-face too often.

Fortunately, all people involved in OpenStack (both engineers working on OpenStack and operators running clouds) have the chance to gather every six months for an OpenStack summit. This is the time where OpenStack mailing lists and IRC channels get quiet and empty, as most of us are gathering in one place to see what's new in the OpenStack world, listen to our colleagues sharing their experiences, take part in design sessions, and (last but not least) collect a few t-shirts with the OpenStack logo on it.

Summits typically last four or five days, with two major thematic streams: one for operators and companies using OpenStack and one for software engineers working on the OpenStack codebase. As I mainly write code, this second stream is where I spend the majority of my time whenever I am at the summit. During design sessions we sit together at one table and focus on the most important aspects and plans for the next OpenStack release. Topics range from discussions about what can be done to make code more robust and stable, through to how we can make operators' lives easier. These sessions are also a great opportunity for pitching ideas for new features. Things run much more smoothly when everybody is in one room focusing on one single topic.

Each OpenStack summit is also an opportunity for me to finally can work directly with people I only know as nicknames on my communicator. I can chat with people who may have helped me in the past to overcome an issue, or whom I perhaps managed to help by sharing my own experiences or ideas. No matter how much we all like technology and computers, it's always better to chat face-to-face.

Another nice aspect of the OpenStack summits is that after demanding and tiring sessions we usually head for parties where we can relax and discuss less official topics over a beverage. 'This less formal setting is key to strengthening and establishing the new connections that underpin our collaborative work on OpenStack.'

Find out more about the upcoming OpenStack Summit in Austin, Texas, [here](https://www.openstack.org/summit/) (<https://www.openstack.org/summit/>).

Κατηγορίες: [Physics Department - Extern RSS Feeds \(/el/aggregator/categories/1\)](#)

#### **Kazan Federal University joins CERN openlab as a research member** (<http://openlab.web.cern.ch/news/kazan-federal-university-joins-cern-openlab-research-member>)

Τρί, 23/02/2016 - 11:52

Tuesday, 23 February, 2016

Kazan Federal University in Russia has joined CERN openlab as a research member. The collaboration will focus on modernisation of code used for biological simulation.

Κατηγορίες: [Physics Department - Extern RSS Feeds \(/el/aggregator/categories/1\)](#)

#### **Less than three weeks left to apply for the CERN openlab Summer Student Programme** (<http://openlab.web.cern.ch/news/less-three-weeks-left-apply-cern-openlab-summer-student-programme>)

Δευ, 08/02/2016 - 17:04

Monday, 8 February, 2016

Applications for the 2016 CERN openlab Summer Student Programme are open until 28 February, 2016 (23:59 CET). [Apply now](http://jobs.web.cern.ch/join-us/cern-openlab-summer-student-programme) (<http://jobs.web.cern.ch/join-us/cern-openlab-summer-student-programme>) and open a world of possibilities!

More information about the programme is available [here](http://openlab.web.cern.ch/summer-student-programme) (<http://openlab.web.cern.ch/summer-student-programme>). See what previous students have to say about it in the video below:

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