CERN openlab is a unique public-private partnership.

We work to drive innovation in ICT.

We collaborate with leading ICT companies (including Intel, Oracle, Siemens, and Huawei).

We also work with other research laboratories (including Fermilab, GSI, INFN, and EMBL-EBI).

Education and training are important aspects of our work.

Over 1800 applicants for this year’s CERN openlab summer-student programme.

41 students selected from 23 different countries.

More info on our website: openlab.cern.

Follow us on Twitter/Facebook: @CERNopenlab.
The lecture programme
All students from all programmes are welcome to attend!

Computing in high-energy physics
Dirk Duellmann
IT Amphitheatre (31-3-004)
13:30-15:30, 3 July

Computing Security
Sebastien Lopienski
IT Amphitheatre (31-3-004)
13:30-15:30, 5 July

Machine Learning (2)
Michael Kagan
Main auditorium (500-1-001)
13:30-15:30, 10 July

From Grids to Clouds
Ian Fisk
IT Amphitheatre (31-3-004)
13:30-15:30, 16 July

DAQ-Filtering Data from 1 PB/s to 600 MB/s
Niko Neufeld
IT Amphitheatre (31-3-004)
13:30-15:30, 4 July

Machine Learning (1)
Michael Kagan
Main auditorium (500-1-001)
13:30-15:30, 9 July

How to give presentations and pitches
Manuela Cirilli
Main auditorium (500-1-001)
16:30-17:30, 11 July

Discovering the Higgs with software/computing
Ken Bloom
IT Amphitheatre (31-3-004)
13:30-15:30, 17 July
The lecture programme

All students from all programmes are welcome to attend!

Web application security workshop (1)
Sebastien Lopienski
513-1-024
13:00-18:15, 18 July

Evolution in Computing Hardware (1)
Sverre Jarp
IT Amphitheatre (31-3-004)
13:30-15:30, 24 July

Evolution in Computing Hardware (2)
Andrzej Nowak
IT Amphitheatre (31-3-004)
13:30-15:30, 26 July

Web app security workshop (2)
Sebastien Lopienski
513-1-024
13:00-18:15, 1 August

Writing code that’s less bad
Axel Naumann
IT Amphitheatre (31-3-004)
13:30-15:30, 31 July

Introduction to code optimizations
Sofia Vallecorsa
IT Amphitheatre (31-3-004)
13:30-15:30, 2 August

indico.cern.ch/category/10155
Lightning talks
• Students work on projects over nine weeks, gaining hands-on experience with latest ICT solutions.
• 5-minute presentations by each student, with prizes for best talks.
• Split into two sessions: 14 August at 13:30 and 16 August at 15:00.
• Both take place in IT amphitheatre (31-3-004).

Webfest
• A weekend-long hackathon: run by students for students.
• Takes place 27-29 July here in main amphitheatre and R1.
• Collaborate on science-related projects using open-web technologies.
• Submit your ideas for projects or join existing ones.
• Full details on the event website: webfest.web.cern.ch.
• Additional (optional) preparatory sessions:
  • Evening session on hackathon essentials by Mayank Sharma on 19 July from 17:00 to 20:00 (513-R-070).
  • AI presentation by Sharada Prasanna Mohanty on 25 July from 13:30 to 15:30 (31-3-004).