



# CERN to Revamp its Information Technology Apparatus

606 Views

September 22, 2017 by Trevor Hill — 0 Comments

**CERN, home of Large Hadron Collider (LHC), is on the verge of revamping the way it handles information as it readies itself for new technological challenges that lie ahead.**

*Also read: [BitPay Adds Bitcoin Cash to Its Insight Block Explorer](#)*

## CERN Faces New ICT Challenges With Upgrades

The LHC is the most powerful particle accelerator on the planet, as well as being the most publicly-visible — as it has frequently been mentioned in pop culture.



Additionally, computing capacity will need to increase to 50-100 times as it takes on more complex scientific instruments performing more exotic experiments.

In order to develop and test the new ICT solutions and techniques that help to make the ground-breaking physics discoveries

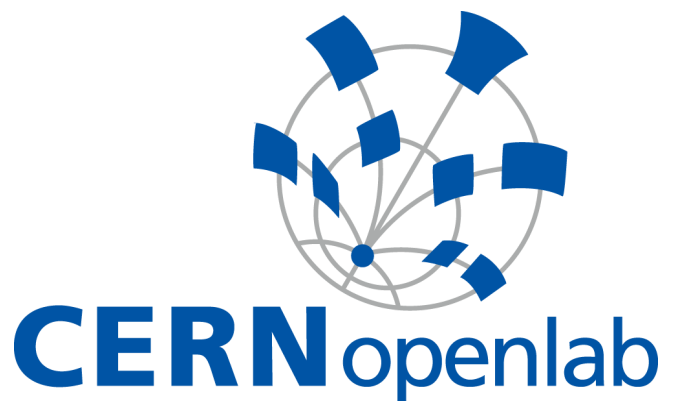


## Openlab: Helping to Make New Physics Discoveries Possible

Openlab is a unique public-private partnership that provides a framework through which CERN can collaborate with leading ICT companies to accelerate the development of these cutting-edge technologies

A series of workshops and discussions were held to discuss the ICT challenges faced by the LHC research community – and other ‘big science’ projects over the coming years.

A white paper was [produced](#) as the culmination of these investigations and sets out specific challenges that are ripe for tackling through collaborative R&D projects with leading ICT companies.



With a new three-year phase of CERN openlab set to begin at the start of 2018, work has been carried out throughout the first half of 2017 to identify key areas for future collaboration.

The white paper identifies 16 ICT “challenge areas”, which have been grouped into four overarching “R&D topics” (data-center technologies and infrastructures, computing performance and software, machine learning and data analytics, applications in other disciplines).

***What do you think of CERN upgrading its ICT apparatus to adapt to the changes being made to the LHC? Let us know in the comments below.***



Tagged With: CERN, High Luminosity Hadron Collider, ICT, Large Hadron Collider, Openlab



About Trevor Hill

0 Comments

bitsonline

1 Login

Recommend

Share

Sort by Best



Start the discussion...

LOG IN WITH

OR SIGN UP WITH DISQUS ?

Name

Be the first to comment.

Subscribe Add Disqus to your site Add Disqus Add Privacy





## Categories

[Bitcoin](#)

[Bitcoin & Crypto Mining](#)

[Bitcoin News](#)

[BitcoinCash](#)

[Blockchain](#)

[Business](#)

[Charts](#)

[Cryptocurrency](#)

[Cryptocurrency Mining](#)

[Education](#)

[Featured](#)

[Fintech](#)

[Guides](#)

[In Case You Missed It](#)

[Latest](#)

[Linux](#)

[News](#)



Security

Smart Contracts

Smart Contracts

Technology

Trending

Uncategorized

Videos

Recent News

Quoine Launches LIQUID Platform, Says Let the Tokens Flow

Government Can Seize Kim Dotcom's Assets, Says Supreme Court

The OWO Discounted Mining Offer: An Alternative to the ICO

Goldman Sachs to Start Trading Bitcoin Directly

Financial Privacy Is for Criminals! What Are You Trying to Hide?

Bitcoin

Bitcoin & Crypto Mining

Education

Blockchain

Smart Contracts

Technology

Linux

Open Source

Business

Regulation

Opinion



---

[Terms of Use](#)  
[Privacy Policy](#)

Bitsonline © 2017 · [Privacy Policy](#) · [Terms & Conditions](#)