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Chipshot: Intel renews its collaboration with CERN openlab for more effective research in Europe

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Intel, one of the long-standing research partners of CERN openlab, is renewing its commitment by signing up to CERN openlab's fifth phase. After twelve years of technical projects in support of the LHC research programme, CERN openlab is now moving beyond high-energy physics to include other large research institutions. This will see CERN openlab extending further into fields related to data analytics, healthcare, innovation and entrepreneurship. Part of this expanded research agenda will see Intel and CERN openlab establish a programme to identify innovative ideas and support young researchers looking for entrepreneurship experience.

In order to improve the speed and effectiveness of research, one specific project in this new three-year phase of CERN openlab will work on modernizing the [Geant software simulation toolkit](#), which is widely used in space, particle and medical research. The modifications being worked on could deliver as much as a 5-times performance improvement over the previous version.

"We're proud of our track record in European research and innovation," said Christian Morales, Corporate Vice President and General Manager, Sales & Marketing of Intel EMEA. "With new LHC (Large Hadron Collider) runs and the IT challenges that go along with that, these are exciting times, and a wider network of research institutes with whom we are able to collaborate, the fifth phase of CERN openlab promises not just scientific benefits for Europe, but economic ones, too."

"Intel is very committed to CERN openlab's technical and educational vision. Experts from CERN and Intel have organized successful training events and focused workshops on several topics of great importance to the high-energy physics community, such as parallel programming and computing architectures. Intel is also a key participant in the yearly CERN openlab Summer Student Programme." says Alberto di Meglio, head of CERN openlab.

Other collaborative research projects between Intel and CERN openlab with a more direct business application will cover areas such as data analytics for LHC control data, software-defined infrastructure with [Rack Scale Architecture](#), and data acquisition and filtering infrastructure design for future LHC runs after 2018.

For more information, please visit the [CERN openlab pressroom](#).

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