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## **Machine learning and data analytics are hot topics at CERN openlab workshop** <sup>[1]</sup>

Wednesday, 4 May, 2016



<sup>[2]</sup>

Last week, CERN openlab held a workshop on machine learning and data analytics. The event, which took place on Friday 29 April, saw experts from both research and industry gather in the [CERN IT Department](#) <sup>[3]</sup> for a full-day of presentations and lively discussion.

The morning featured presentations from representatives of the four large [LHC](#) <sup>[4]</sup> experiments ? [ALICE](#) <sup>[5]</sup>, [ATLAS](#) <sup>[6]</sup>, [CMS](#) <sup>[7]</sup>, and [LHCb](#) <sup>[8]</sup> ? on their current projects and future challenges in these areas.

During the afternoon, representatives from industry were also invited to give their perspective. This included presentations from CERN openlab partner companies [Intel](#) <sup>[9]</sup> and [Siemens](#) <sup>[10]</sup>, as well as contributors [Cisco](#) <sup>[11]</sup> and associates [Yandex](#) <sup>[12]</sup>. The other companies to present at the event were Cloudera, Google, IBM, Microsoft, and Nvidia.

?The event provided a great opportunity for experts from both industry and the LHC experiments to discuss their activities ? as well as the challenges they face ? in the exciting area of machine learning and data analytics,? says Maria Girone, CERN openlab CTO. ?We especially appreciated the engagement of all participants in lively and constructive discussions. Over the course of the day many commonalities and areas of potential collaboration emerged.?

If you missed the workshop and would like to find out more, please visit [the event's Indico page](#) [13]. Here you can find slides of the presentations given at the workshop, and more.

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