

CERN Openlab

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Updated: 2016-08-11T01:08Z

CERN openlab is a collaboration between CERN and industrial partners to develop new knowledge in Information and Communication Technologies through the evaluation of advanced solutions and joint research to be used by the worldwide community of scientists working at the Large Hadron Collider. ^[1] ^[2]

Intel, Oracle, and Siemens are all partner companies for the fifth phase of CERN openlab. Brocade, Cisco, IDT, Rackspace, and Seagate are contributors, while Comtrade, Huawei and Yandex are associate members. ^[3]

In 2015, other public research organisations joined CERN openlab for the first time. The current research members are the European Bioinformatics Institute (EMBL-EBI), the GSI Helmholtz Centre for Heavy Ion Research, Innopolis University, Kazan Federal University and Newcastle University. ^[3]

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History

The CERN openlab concept started in 2001 led by Manuel Delfino, and since 2003 it has run in successive phases of three years. ^[4] During CERN openlab I (2003-2005) an advanced prototype called opencluster was developed. ^[2] CERN openlab II (2006-2008) focused on various domains such as platforms, databases, grid computing, security and networks. ^[5] This work was continued by CERN openlab III (2009-2011) which also hosted projects with emphasis on technologies and services relevant to CERN and its partners. ^[6] Later, CERN openlab IV (2012-2014) paid particular attention to cloud computing, business analytics, the next generation of hardware, and security for large numbers of network devices. ^[7]

From 2002 to 2010 the head of CERN openlab was Wolfgang von Rden. His successor was Bob Jones and the current leader of this collaboration, since 2015, is Alberto Di Maglio. ^[8]

See also

LHC Computing Grid

External links

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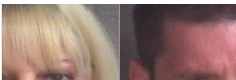
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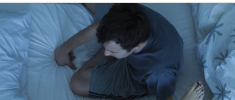
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