

CERN openlab Communications

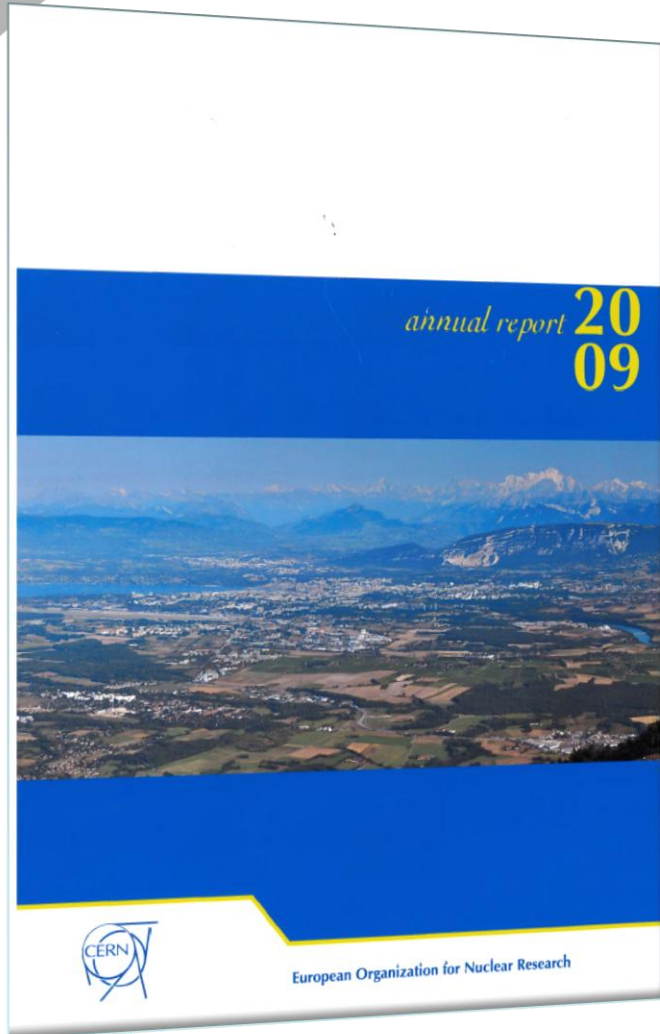
CERN openlab III Major Review Meeting
5 October 2010

Mélissa Gaillard



- **Update**
(CERN annual report 2009, CERN openlab website modifications, 2010 Press Coverage)
- CERN openlab press coverage database and archives
- Recent and Upcoming events at CERN
- CERN openlab Summer Students Programme
- Science and Technology Report (June 2010)

CERN openlab in the Computing chapter of the CERN annual report 2009:



Open collaboration

CERN openlab provides a framework for close collaboration with industrial partners (HP, Intel, Oracle and Siemens) in which CERN acquires early access to leading-edge technology and in return offers expertise and a highly demanding computing environment for pushing these new technologies. On 2–3 April 2009, CERN's Director-General officially launched CERN openlab's third phase, which like the previous two phases will cover a three-year period. With the start of openlab-III, new challenging projects have been initiated within the following four Competence Centres: Automation and Controls, Database, Networking, and Platform. During the third phase, the team is not only capitalizing on and extending the successful work carried out in openlab-II, but also tackling crucial new areas, such as security, opening automation tools towards software engineering and handling large environments.

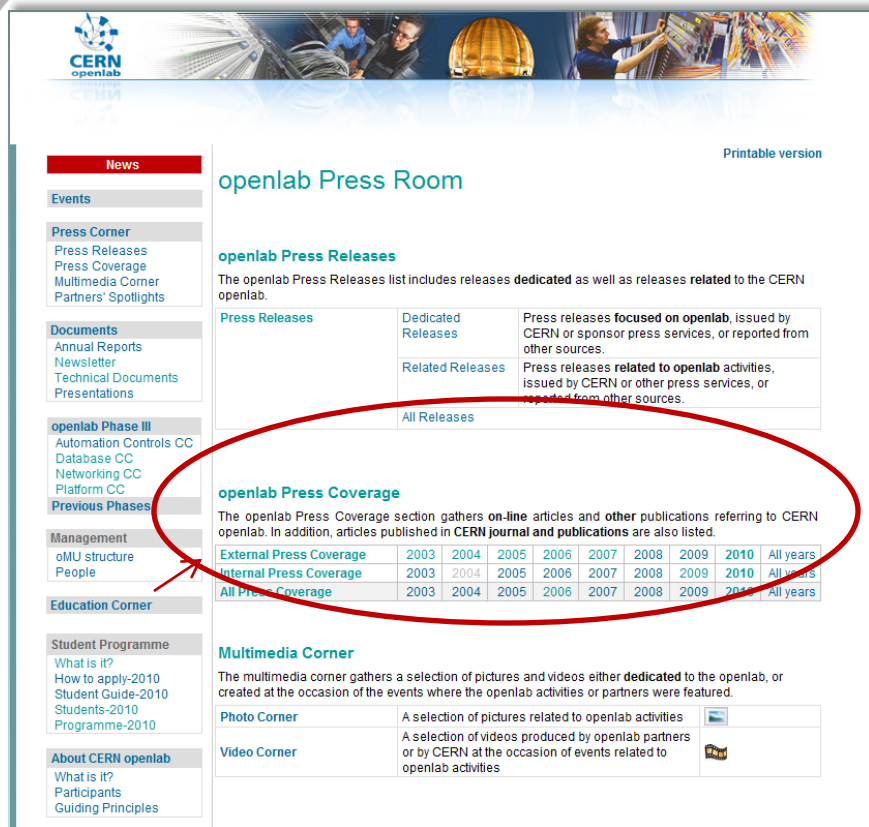
Dissemination and education are also a key focus for CERN openlab, which runs a successful annual Summer Student Programme as well as workshops and seminars throughout the year with key speakers from the partners. In addition, in June the team organized a 3-day visit to CERN for 13 winners, aged between 16 and 18, of the 2009 Intel International Science and Engineering Fair (Intel ISEF). This is the world's largest science competition of its kind and the winners had all excelled in the 'best of category' awards, each representing a different area of science.

Modifications of the openlab website

- Press Coverage and Reports sections have been redesigned to facilitate the search for articles and reports:

www.cern.ch/openlab-press

www.cern.ch/openlab-reports



The screenshot shows the 'openlab Press Room' page. A red circle highlights the 'openlab Press Coverage' section, which includes a table of press coverage from 2003 to 2010. The table has columns for the year and a link to the coverage. The 'All Press Coverage' row is highlighted in blue.

Press Releases	Dedicated Releases	Related Releases	All Releases
Press releases dedicated as well as releases related to the CERN openlab.	Press releases focused on openlab , issued by CERN or sponsor press services, or reported from other sources.	Press releases related to openlab activities, issued by CERN or other press services, or reported from other sources.	

openlab Press Coverage

The openlab Press Coverage section gathers **on-line** articles and other publications referring to CERN openlab. In addition, articles published in **CERN journal and publications** are also listed.

External Press Coverage	Internal Press Coverage	All Press Coverage
2003 2004 2005 2006 2007 2008 2009 2010 All years	2003 2004 2005 2006 2007 2008 2009 2010 All years	2003 2004 2005 2006 2007 2008 2009 2010 All years



The screenshot shows the 'openlab Technical Documents and Publications' page. A red circle highlights the 'All 2010 Technical Documents and Publications' section, which includes a table of technical reports from 2010. The table has columns for the date, title, and author. The 'All Technical Documents' row is highlighted in blue.

Technical Reports

The openlab Technical Documents and Publications list gathers the **Technical Reports** published by the openlab team members. Some of them are produced by the summer students while the ones highlighted in blue, with the 'openlab report' label, are authored by the staff members and have been specifically reviewed. **Thesis** and **Technical Publications** by CERN openlab team members are also listed.

Technical Reports	2003	2004	2005	2006	2007	2008	2009	2010	All years
Thesis	2003	2004	2005	2006	2007	2008	2009	2010	All years
Technical Publications	2003	2004	2005	2006	2007	2008	2009	2010	All years
All Technical Documents	2003	2004	2005	2006	2007	2008	2009	2010	All years

All 2010 Technical Documents and Publications

2010	Technical Reports	Author
Aug 2010	TRoIE (Test-bench for Robustness of Industrial Equipments) Reporting System (pdf)	Summer Student Report G. Bajrami
Aug 2010	Automating Management for Weblogic Server on JRockit VE (pdf)	Summer Student Report M. Sandu Popa
Aug 2010	Performance Monitoring of the Software Frameworks for the LHC Experiments (pdf)	Summer Student Report D. A. Popescu
Aug 2010	Shared library implementation for the BDII Information System (pdf)	Summer Student Report C. N. Micu
Aug 2010	Automation and Optimisation in IT-DB OracleVM Virtualisation Systems (pdf)	Summer Student Report T. Tauber
May 2010	Evaluation of the Intel Nehalem-EX server processor (pdf)	openlab Report E. Grancher, S. Jarp, A. Lazzaro, J. Leduc, A. Nowak
Apr 2010	Evaluation of the Intel Westmere-EP server processor (pdf)	openlab Report S. Jarp, A. Lazzaro, J. Leduc, A. Nowak
Mar 2010	Strategies employed for LHC software performance studies (pdf)	openlab Report A. Nowak

- 57 articles till now this year



LHC computing grid pushes petabytes of data, beats expectations

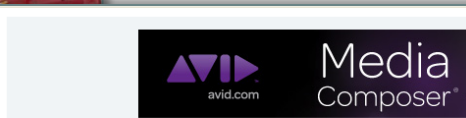
By John Timmer | Last updated about a month ago



A robot manages some of CERN's 50PB of tape storage.

The LHC isn't simply the most powerful particle accelerator ever created. Handling the huge amount of data produced has required the creation of one of the biggest computer grids on the planet. The planning of the compute facilities has been taking place for years, but it's only recently that the grid has begun to produce output from actual collisions. How did it do? "From the IT perspective, we didn't notice when it came on," said CERN's Wolfgang von Rueden. "We had tested it with much higher throughput than we expected."

Still, not everything is working quite according to plan. von Rueden said that the initial expectation for the LHC's computing grid had anticipated lower network performance and a reliance on tape; instead,

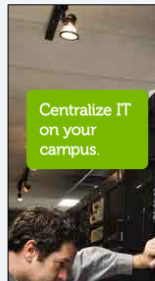


Biweekly Ed Tech Poll

Does your institution use an open, proprietary, or home-grown content management system?

- ☐ A Mixture
- ☐ Home Grown
- ☐ Open
- ☐ Proprietary

- [Vote](#)
- [View Results](#)
- [Archives](#)




Oracle Introduces Java Virtualization Solution for Oracle(R) WebLogic Suite

Oracle Virtual Assembly Builder and Oracle WebLogic Suite Virtualization Option Enable Increased Server Utilization, Performance, Standardization and Operational Efficiency, Strengthens Application Grid Portfolio

Related Quotes

Symbol	Price	Change
ORCL	27.36	+0.17

News Facts

- Oracle today announced Oracle Virtual Assembly Builder and Oracle WebLogic Suite Virtualization Option to help make running Java applications in a virtualized environment easy and practical.
- Oracle Virtual Assembly Builder is a new product designed to help organizations quickly and easily deploy multi-tier enterprise applications in virtualized environments. It also enables administrators to quickly configure and provision these applications.
- Oracle Virtual Assembly Builder provides a framework for automatically capturing the configuration of existing software components and packaging them as self-contained building blocks known as appliances.
- In addition, Oracle Virtual Assembly Builder enables administrators to easily connect appliances as pluggable building blocks, known as assemblies, which can be used to create multi-tier applications.
- Oracle WebLogic Suite Virtualization Option brings together Oracle WebLogic Server with JRockit Virtual Edition in a new release of the world's #1 application server. This release is optimized for virtualized environments and able to deliver higher application performance and increased hardware utilization.

THE DEATH OF THE PC

The days of paying for costly software upgrades are numbered. The PC will soon be obsolete. And BusinessWeek reports 70% of Americans are already using the technology that will replace it. Merrill Lynch calls it "a \$160 billion tsunami." Computing giants including IBM, Yahoo!, and Amazon are racing to be the first to cash in on the PC-killing revolution.

Yet, two little-known companies have a huge head start. Get their names in a free report from The Motley Fool called, "The Two Words Bill Gates Doesn't Want You to Hear."

[Click here for instant access to this FREE report!](#)

Tech Ticker Recent Posts

- Something's Gotta Give: Stocks Up, Volume Down - Aaron Task
- Bankruptcy "Only Way Out" for Struggling State and Local Govts, Bond Fund Manager Says - Peter Gorenstein
- 2011 Outlook: Deflation and Dow 4200 Followed by "Obama's End of the Road" - Aaron Task

Press Coverage Database and Archives

- **Specific coverage follow-up since July 2008:**
 - All the articles can be consulted in the Press Coverage section of CERN openlab website (more than 300 articles since July 2008)
 - A specific database is available to you (providing details concerning the sponsor(s) quoted in each article, the media, the number of words, etc.) ⇒ *Feel free to contact Mélissa for any request concerning the specific coverage related to openlab and your company.*
 - Journalists' database is being built in parallel too

www.cern.ch/openlab

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Recent and Upcoming Events at CERN

■ European Researchers Night (24 September 2010)



- CERN was one of the 260 European locations involved in the 5th edition of the European Researchers' Night (last 24 september), an initiative funded by the European Union's Science and Society programme aimed at highlighting the appeal of being a researcher and promoting scientific research among young Europeans:
 - The control rooms of the LHC and its experiments threw open their doors to 150 youngsters.
 - Swiss TV (TSR) interviewed the youngsters and a webcast took place in parallel at the Globe of Science and Innovation (CERN was connected to other laboratories and organisations around the world for this event).



■ Virtual Visit (first quarter 2011)

- In the coming months, a virtual visit of CERN facilities will be done in partnership with Google (Google already provided virtual visits of several World Heritage sites, in alliance with UNESCO).



■ 2010 Programme:

- 15 students from 10 nationalities (14 students from 12 nationalities participate this summer (Albania, Austria, Bulgaria, China, Croatia, Czech Republic, France, Macedonia, India, Italy, Romania, Spain))
- Tripartite innovative funding system: Industry, Universities and CERN
- 2-month stay between June and September 2010

■ Timeline 2011:

- Leaflet and poster updated before end of year: new versions available on CERN openlab website in January 2010 (www.cern.ch/openlab)
- Call for projects in IT by 26th February 2011
- Student applications by 31st March 2010

■ Communication:

- Postings on the CERN openlab website, CERN Courier website (job section), Euraxess (European Commission job website for researchers), as well as key technology universities career websites
- E-mailing to the Computer Science Departments, the alumni organizations and the Career Information Officers of 48 key technology universities part of CERN member countries: **Feel free to tell us whom you would like us to add to this mailing list.**



Science and Technology Report

How are science and technology seen by the European public?

http://ec.europa.eu/public_opinion/archives/ebs/ebs_224_report_en.pdf

- According to this Eurobarometer report published on 21 June, nearly 80% of Europeans say they are interested in scientific discoveries and technological developments, compared to 65% interested in sport. Europeans overwhelmingly recognise the benefits and importance of science.
- This special Eurobarometer reports are based on in-depth thematic studies carried out for various services of the European Commission or other EU Institutions and integrated in Standard Eurobarometer's polling waves.



Key Communication Activities Indicators

Key Communication Activities Indicators	2009	2008	2007	2006	2005	2004	2003	2002
Breaking News	10	7	3	5	8	5	5	x
Technical News	16	11	7	6	8	6	6	x
Management News	11	15	2	6	6	6	5	x
Total	27	26	9	12	14	12	11	x
Technical Reports	13	10	1	0	5	7	1	x
Technical Publications	5	4	9	0	0	1	1	x
Articles in CERN Publications	9	5	9	4	2	0	3	x
Authorized by MLJ	4	1	x	x	x	x	x	x
Dedicated Press Releases	1	3	0	2	1	3	3	5
Related Press Releases	3	2	0	0	2	1	3	
Total	4	5	0	2	3	4	6	5
Total	58	50	28	18	24	24	22	5
Press Articles	78	238	3	12	5	6	2	x

Timeline

