



# ***ILC GLOBAL SYSTEMS MEETING***

***Planning for CLIC08 Workshop  
October 14 - 17 2008***

***John Osborne, V.Kuchler, A.Enomoto***



## Workshop website :

<http://indico.cern.ch/conferenceDisplay.py?confId=30383>

LOCAL: Europe/Zurich login

### CLIC08 Workshop

14-17 October 2008 CERN

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CLIC'08 is an Accelerator and Physics Workshop which follows the very successful 1st Workshop of this kind held at CERN in Oct 2007.

The Aims of CLIC08 are:

- Review the R&D towards CLIC Feasibility Demonstration and Conceptual Design Report in 2010. This includes Items of ILC-CLIC Common Interest as defined in the recently established ILC-CLIC Collaboration.
- Identify the R&D, Facilities and Engineering Efforts needed in the period after 2010 to progress from a Conceptual Design to a Technical Design.
- Address Particle Physics and Detector Issues of a Multi-TeV Linear Collider.

**Dates:** from 14 October 2008 11:00 to 17 October 2008 18:00  
**Location:** CERN  
Room: **Main Auditorium**  
**Chairs:** Braun, Hans  
**Additional info:** Secretariat: Sonia Escaffre

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# Global Design Effort - CFS

Wednesday, 15 October 2008								
08:00								
09:00	<b>Beam Delivery System &amp; Machine Detector Interface Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Injectors &amp; Damping Rings Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Instrumentation Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Linear Collider Test Facilities Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Main &amp; Drive Beam Dynamics Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Physics &amp; Detectors Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>RF Structure &amp; Sources Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Technical Issues, Integration &amp; Cost Wkg</b> Conveners: Germana Riddone (CERN); Roger Ruber (Uppsala Univ) (Main Auditorium: 08:30 - 12:30)
10:00								
11:00								
12:00	Lunch break (Main Auditorium: 12:30 - 14:00)							
13:00								
14:00	<b>Beam Delivery System &amp; Machine Detector Interface Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>Injectors &amp; Damping Rings Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>Instrumentation Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>Linear Collider Test Facilities Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>Main &amp; Drive Beam Dynamics Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>Physics &amp; Detectors Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>RF Structure &amp; Sources Wkg</b> (Main Auditorium: 14:00 - 18:00)	<b>Technical Issues, Integration &amp; Cost Wkg</b> Conveners: Germana Riddone (CERN); Roger Ruber (Uppsala Univ) (Main Auditorium: 14:00 - 18:00)
15:00								
16:00								
17:00								
18:00								

  

Thursday, 16 October 2008								
08:00								
09:00	<b>Beam Delivery System &amp; Machine Detector Interface Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Injectors &amp; Damping Rings Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Instrumentation Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Linear Collider Test Facilities Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Main &amp; Drive Beam Dynamics Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Physics &amp; Detectors Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>RF Structure &amp; Sources Wkg</b> (Main Auditorium: 08:30 - 12:30)	<b>Technical Issues, Integration &amp; Cost Wkg</b> Conveners: Germana Riddone (CERN); Roger Ruber (Uppsala Univ) (Main Auditorium: 08:30 - 12:30)
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15:00								
16:00								
17:00								
18:00								

**CFS session**



**CLIC workshop 14-17 Oct 2008**

**Working group: "Technical Issues, Integration & Cost"**

**Conveners: G. Riddone (CERN), R. Ruber (UPPSALA Univ.)**

**The aims of CLIC08 are:**

**Review the R&D towards CLIC feasibility demonstration and conceptual design report in 2010. This includes items of ILC-CLIC common interest as defined in the recently established ILC-CLIC Collaboration.**

**Identify the R&D, facilities and engineering efforts needed in the period after 2010 to progress from a conceptual design to a technical design.**

**Address particle physics and detector issues of a Multi-TeV linear collider.**

**The subject of this working group is:**

**all non-RF hardware developments necessary for the CLIC main linac and drive beam decelerator. This includes the CLIC module and the main transfer lines, running in the CLIC tunnel, with all its main sub-systems, such as cooling, vacuum, supporting, stabilization and alignment systems, quadrupole and corrector magnets, beam instrumentation;**

**module integration taking into account the different sub-systems and CLIC requirements;**

**tunnel integration, including transport, cooling and ventilation, and safety issues;**

**cost issues, including software tool features and implementation.**

**4 sessions:**

**Wed 15.10.2008 – 8:30 – 12:30**

**Wed 15.10.2008 – 14:30 – 18:30**

**Thu 16.10.2008 – 8:30 – 12:30**

**Thu 16.10.2008 – 14:30 – 18:30**

**Afternoon sessions reserved for subjects in collaboration with ILC.**

**Presentation time: 20 min+ 10 min discussion**



## CLIC08 Workshop

14-17 October 2008

CERN

 

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### Technical Issues, Integration & Cost Wkg

**Place:** CERN  
Room: **Main Auditorium**  
**Dates:** Wednesday 15 October 2008 14:00  
**Conveners:** **Riddone, Germana**  
**Ruber, Roger**

[Contribution List](#) [Time Table](#)

Wednesday, 15 October 2008	
14:00	[45] <b>CLIC Tunnel Layout and Cross-Section</b> by John Andrew OSBORNE (CERN) (Main Auditorium: 14:00 - 14:20)
	[46] <b>Cooling and Ventilation in the Tunnel</b> by Christophe MARTEL (CERN) (Main Auditorium: 14:20 - 14:40)
	[47] <b>Module Integration</b> by Alexandre SAMOSHKIN (Joint Inst. for Nuclear Research (JINR)) (Main Auditorium: 14:40 - 15:00)
15:00	[48] <b>Transport of the CLIC Modules and Elements</b> by Keith KERSHAW (CERN) (Main Auditorium: 15:00 - 15:20)
	[49] <b>ILC Underground Consideration</b> by Victor KUCHLER (Fermilab) (Main Auditorium: 15:20 - 15:40)
	[50] <b>Safety Issue for Underground Structure</b> by Fabio CORSANEGO (CERN) (Main Auditorium: 15:40 - 16:00)
16:00	[51] <b>Discussion on Common ILC/CLIC Note on Tunnel Safety</b> by Hans BRAUN (CERN) (Main Auditorium: 16:00 - 16:20)



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### Technical Issues, Integration & Cost Wkg

**Place:** CERN  
Room: **Main Auditorium**  
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**Ruber, Roger**

[Contribution List](#) [Time Table](#)

Thursday, 16 October 2008	
14:00	[52] <b>Project Management and Control System Overview</b> by James PURVIS (CERN) (Main Auditorium: 14:00 - 14:20)
	[53] <b>CLIC Cost Requirement</b> by Hans BRAUN (CERN); Dr. Germana RIDDONE (CERN) (Main Auditorium: 14:20 - 14:40)
	[54] <b>ILC Software Tool Primavera for Cost Estimate</b> by John CARWARDINE (Argonne) (Main Auditorium: 14:40 - 15:00)
15:00	[55] <b>CERN Proposal for Software Tool for Cost Estimate</b> by Jurgen DE JONGHE (CERN) (Main Auditorium: 15:00 - 15:20)
	[56] <b>Conclusions</b> (Main Auditorium: 15:20 - 15:40)