

IEA SHC Task 48 2nd meeting

Quality assurance and support measures for Solar Cooling

Conference Room Castigliano - POLITECNICO DI MILANO
Piazza L. da Vinci, 32 - 20133 Milano - ITALY

Meeting Agenda - Final version

March 26, 2012, 9:00 – 17:30 & March 27, 2012, 8:30 – 16:00

Task 48 website : <http://www.iea-shc.org/task48/index.html>

Participation fee:

The participation fee is 150 € and it will only be possible to pay cash when registering in Milano. The fee will include lunches and coffee breaks (Monday and Tuesday) and dinner on Monday.

Get Together optional dinner on Sunday 25th :

- Pizzeria “Maruzzella” - Piazza Guglielmo Oberdan, 3 - 20129 Milano - + 39 02 2952 5729

Meeting point: In front of the Pizzeria at 19h30 - Google Maps : <http://g.co/maps/hsrtk>

Agenda for Monday March 26th, 2012 (9:00pm-17:30pm)

Plenary

9.00-9.15	Welcome and Organisational issues	Daniel Mugnier	TECSOL
9.15-10.00	Welcome, Introduction, IEA, Infos, Structure of the meeting, Participation letters	Daniel Mugnier	TECSOL

1st block : Subtask Planning & status update

10.00-10:15	Subtask A : Structures, status, deliverables	Mario Motta	POLIMI
10.15-10:30	Subtask B : Structures, status, deliverables	Alex Morgenstern	FhG ISE

11:30- 10:50 Coffee Break

10.50-11:05	Subtask C : Structures, status, deliverables	Stephen White	CSIRO
11.05-11:20	Subtask D : Structures, status, deliverables	Daniel Mugnier	TECSOL

11.20-12:30	Activity leader panel forum on activity level vision, workplans and scope overlap		Activity leaders
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12.30-13:15 Lunch Break at POLITECNICO in a room beside the meeting room

2nd block : Latest developments & results session

13.15-13:45	New performance requirements on conventional climatisation systems 'EcoDesign'	Jochen Döll	ISE
13.45-14.05	Review on calculation tools	Amandine Le Denn	TECSOL
14.05-14:35	Review of relevant international standards, rating & incentive systems pertaining to United States	Khalid Nagidi	EMCG
14.35-14.55	Latest dvpts Australian Solar Cooling Standard	Jeremy Osborne	SOLEM
14.55-15.15	Energy box dvpt & latest monitoring results	Roberto Fedrizzi	EURAC
15.15-15.35	AT Roadmap and Energybase monitoring results	Anita Preisler/Tim Selke	AIT

15:35- 16 :00 Coffee Break

Working groups : block1

- 16:00-16:10 Organization of Group discussions on Work Package level (5-6people max per item) Daniel Mugnier TECSOL
- 16:10-17:30 Meeting in parallel on Work Package level; Suggested topics for working groups are:
- * **C3** : Selection and standardisation of best practice solutions (Activity Leader : A. Le Denn (TECSOL))
 - * **A2/B3** : Life Cycle analysis on component/system (Activity Leader : Marco Beccali (UNIPA) and Tim Selke (AIT))
 - * **D6** : Outreach Report (Activity Leader : Uli Jakob, Green Chiller)

End of the working Day 1

Gala Dinner on Monday:

- Restaurant "Osteria del Binari" - Via Tortona, 1, 20144 Milano, Italia - +39 02 8940 9428
Google Maps : <http://g.co/maps/qmm6t>

Three meeting points to reach together the restaurant:

- EuroHotel Office Desk at 19:15 (<http://g.co/maps/pbsrx>)
- Hotel Fenice Office Desk at 19:15 (<http://g.co/maps/ntpvs>)
- In front of "Osteria del Binari" at 20:00 (<http://g.co/maps/qmm6t>)

(see Annex for more details)

Agenda for Tuesday March 27th (8:30am-4:00pm)

Working groups : block2

08:30-08:40 Organization of Group discussions on Work Package level (5-6people max per item) Daniel Mugnier TECSOL

08:40-10:00 Meeting in parallel on Work Package level; Suggested topics for working groups are:

* **C1/C6** : Review of relevant international standards rating and incentive schemes / Collaboration with T45 for contracting models (Activity Leader : Stephen White, CSIRO)

* **B2** : Good practice for DEC design and installation (Activity Leader : Tim Selke (AIT))

10:00- 10:20 Coffee Break

Working groups : block3

10:20-11:40 Meeting in parallel on Work Package level; Suggested topics for working groups are:

* **A1** : Chiller characterization (Activity leader : Marcello Aprile (POLIMI))

* **A3** : Heat Rejection (Activity leader : Roberto Fedrizzi (EURAC))

* **B7/C2** : Quantitative quality and cost competitiveness criteria for systems / Methodology for performance assessment, rating and benchmarking (Activity Leader : J. Döell / M. Schiktanz (ISE))

Working groups : block4

11:40-13:00 Meeting in parallel on Work Package level; Suggested topics for working groups are:

* **B1/C7/C4** : System/Subsystem characterization & field performance assessment / Certification process definition for small systems / Measurement and verification procedures (Activity Leaders : François Boudehenn (INES), Roberto Fedrizzi (EURAC) & Stephen White (CSIRO))

* **B4** : Simplified design tool used as a reference calculation tool : design facilitator (Activity leader : Amandine Le Denn, TECSOL)

13:00 -14:00 Lunch Break at POLITECNICO DI MILANO in a room beside the meeting room

14.00 – 16.00 Plenary & overall

14.00-14.20	Subtask A : Report on working group items; planning of next steps; distribution of work; action items	Mario Motta	POLIMI
14.10-14.40	Subtask B : Report on working group items; planning of next steps; distribution of work; action items	Alex Morgenstern	FhG ISE
14.40-15.00	Subtask C : Report on working group items; planning of next steps; distribution of work; action items	Stephen White	CSIRO
15.00-15.20	Subtask D : Report on working group items; planning of next steps; distribution of work; action items	Daniel Mugnier	TECSOL
15.20-16.00	General items, next meetings, miscellaneous	Daniel Mugnier	TECSOL
16 :00	End of Task 2 nd expert meeting		

Agenda for Wednesday March 28th (8:45am-12:30pm)

- **Technical Visit : Idroscalo di Milano**

For those who are interested, a technical visit is organized on Wednesday morning to a recently installed solar cooling system nearby Milano (30 minutes by bus from the meeting place). The plant has been realised in the framework of the FP6 research project "High Combi" and couples solar thermal with a water-water heat pump. It's a complete coupling, since the heat pump uses one of the solar tanks as cold heat source.

A bus has been booked to take us there.

Two meeting points to reach together the heating and cooling plant:

- EuroHotel Office Desk at 08:45
- Hotel Fenice Office Desk at 08:45

Google Maps : (<http://g.co/maps/f4kg3>)

- **Fiera Rho - Mostraconvegno Expocomfort :**

The exhibition is easily reachable from the hotels via train or metro (about 25 minutes). Free entrance has been collected to visit the exhibition.

Google Maps : (<http://g.co/maps/23ab2>)

Annex : Meeting Participant list (confirmed list on 26/03)

	First name	Last name	Organisation	Address	Town	Country	Email address
Participant							
1	Tim	Selke	AIT	Giefinggasse 2	VIENNA	AUSTRIA	Tim.Selke@ait.ac.at>
2	Anita	Preisler	AIT	Giefinggasse 2	VIENNA	AUSTRIA	Anita.Preisler@ait.ac.at
3	Hilbert	Focke	ASIC	Roseggerstraße 12	WELS	AUSTRIA	focke.hilbert@asic.at
4	Khalid	Nagidi	Energy Management Consulting Group	844 Oakfield Ave, ste.101	WANTAGH	USA	khalid.nagidi@energymcg.com
5	Roberto	Fedrizzi	EURAC	Viale Druso, 1	BOLZANO	ITALY	roberto.fedrizzi@eurac.edu
6	Simona	Culotta	UNIPA	Viale delle science bld 9	PALERMO	ITALY	simona.culotta@dream.unipa.it
7	Christian	Zahler	Industriala Solar GmbH	Emmy-Noether-Str.2	FREIBURG	GERMANY	christian.zahler@industrial-solar.de
8	François	Boudehenn	INES	50 Avenue du Lac Léman	BOURGET	FRANCE	francois.boudehenn@cea.fr
9	Alexander	Morgenstern	ISE	Heidenhofstr. 2	FREIBURG	GERMANY	Alexander.Morgenstern@ise.fraunhofer.de
10	Matthies	Schicktzanz	ISE	Heidenhofstr. 2	FREIBURG	GERMANY	matthias.schicktzanz@ise.fraunhofer.de
11	Kazuyuki	Makita	Kawasaki Thermal Engineering	1000, Aoji-cho	KUSATU	JAPAN	makita_k-krk@corp.khi.co.jp
12	Yosuke	Goto	Kawasaki Thermal Engineering	1000, Aoji-cho	KUSATU	JAPAN	gotoh_y-kte@corp.khi.co.jp
13	Mario	Motta	POLIMI	Via Lambruschini 4	MILAN	ITALY	mario.motta@polimi.it
14	Marcello	Aprile	POLIMI	Via Lambruschini 4	MILAN	ITALY	marcello.aprile@polimi.it
15	Marco	Calderoni	POLIMI	Via Lambruschini 4	MILAN	ITALY	marco.calderoni@polimi.it
16	Antoine	Frein	POLIMI	Via Lambruschini 4	MILAN	ITALY	antoine.frein@polimi.it
17	Schubert	Moritz	SOLID	Puchstr. 85	GRAZ	AUSTRIA	m.schubert@solid.at
18	Amandine	LeDenn	TECSOL	105 avenue Alfred Kastler	PERPIGNAN	FRANCE	amandine.le-denn@tecsol.fr
19	Daniel	Mugnier	TECSOL	105 avenue Alfred Kastler	PERPIGNAN	FRANCE	daniel.mugnier@tecsol.fr
20	Daniel	Neyer	UIBK	Technikerstr. 13	INNSBRUCK	AUSTRIA	daniel.neyer@uibk.ac.at
21	Marco	Beccali	UNIPA	Viale delle science bld 9	PALERMO	ITALY	marco.beccali@unipa.it
22	Pietro	Finicchiaro	UNIPA	viale delle science bld 9	PALERMO	ITALY	finocchiaro@dream.unipa.it
23	Gianpiero	Evola	UNICT	Viale A. Doria 6	CATANIA	ITALY	gevola@unict.it
24	Luigi	Marletta	UNICT	Viale A. Doria 6	CATANIA	ITALY	luigi.marletta@diim.unict.it
25	Manuel	Riepl	ZAE	Walther Meissner Str 84	GARCHING	GERMANY	riepl@muc.zae-bayern.de
26	Martin	Helm	ZAE	Walther Meissner Str 84	GARCHING	GERMANY	helm@muc.zae-bayern.de
27	Antoine	Dalibard	ZAFHNET	Schellingstr. 24	STUGGART	GERMANY	antoine.dalibard@hft-stuttgart.de
28	Jochen	Doell	ISE	Heidenhofstr. 2	FREIBURG	GERMANY	jochen.doell@ise.fraunhofer.de
Visio conference							
1	Don	Rodes	AZTEC SOLAR	11370 Trade Center Drive	RANCHO CORDOVA	USA	don@aztecsolar.com
2	Stephen	White	CSIRO	PO Box 330	NEWCASTLE	AUSTRALIA	stephen.D.White@csiro.au
3	Jeremy	Osborne	SOLEM	PO Box 188	BALGOWLAH	AUSTRALIA	jeremy.osborne@solem-consulting.com
4	Blaise	Letexier	PIMENT	40, avenue de Soweto	SAINT-PIERRERÉunion	FRANCE	blaise.letexier@univ-reunion.fr
5	Uli	Jakob	GREEN CHILLER	Stendaler Strasse 4,	BERLIN	GERMANY	uli.jakob@greenchiller.de
6	Steeve	Harrison	QUEEN'S UNIVERSITY	Rm. 406b, McLaughlin Hall	KINGSTON	CANADA	harrison@me.queensu.ca
7	Lisa	Crofoot	QUEEN'S UNIVERSITY	Rm. 406b, McLaughlin Hall	KINGSTON	CANADA	lcrofoot@me.queensu.ca
8	Dan	Rowe	CSIRO	PO Box 330	NEWCASTLE	AUSTRALIA	dan.rowe@csiro.au

LOGISTIC INFORMATION:

Marco Calderoni's phone number: +39 335 6801623

Hotel suggested:

- EuroHotel (Via Sirtori, 24 - 20129 Milano, Italia - Tel. +39 02 20404010 - www.eurohotelmilano.it - info@eurohotelmilano.it) (<http://g.co/maps/pbsrx>)
- Hotel Fenice (Corso Buenos Aires 2 – 20124 Milano, Italia - Tel. +39 02 29525541, www.hotelfenice.it - fenice@hotelfenice.it,) (<http://g.co/maps/ntpvs>)

Meeting Place (<http://g.co/maps/u65sw>) :
Conference Room Castigliano - POLITECNICO DI MILANO
Piazza L. da Vinci, 32 - 20133 Milano - ITALY

HOW TO REACH PIOLA METRO STATION (Politecnico's closest metro station):

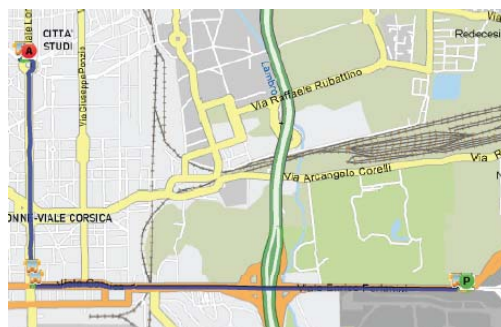
Two main train stations in Milan:

- **Stazione Centrale**, which is only three stops by metro (M2) from "Piola".
- **Stazione Garibaldi**, which is also on the metro line M2. It is five stops from "Piola"

Three airports around Milan:

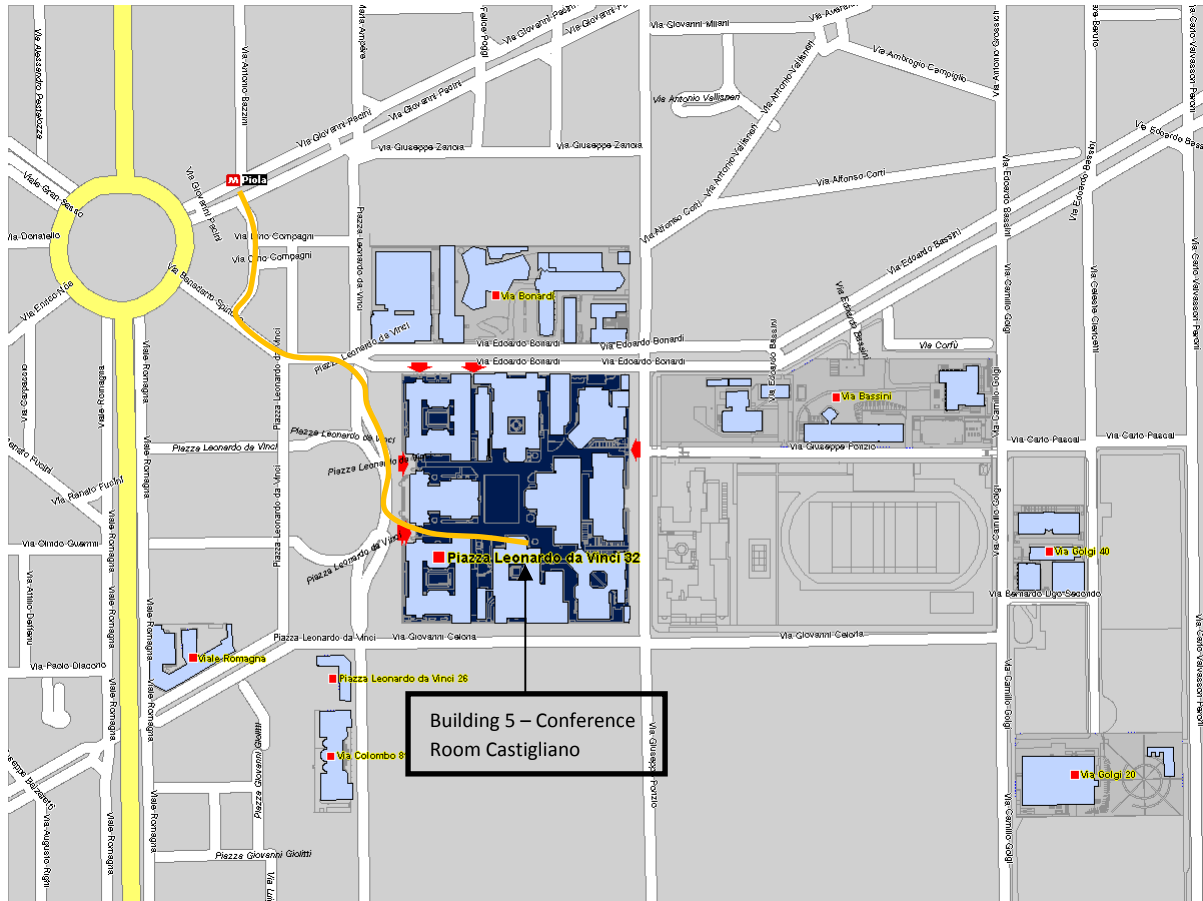
- **Malpensa** is the biggest airport but it is quiet far from the city center. From the airport to the meeting place it is around 1h30. Trains or private Busses are making the connection between the airport and "Stazione Centrale". Then take the metro M2 until "Piola".
- **Bergamo** is mainly used by Ryanair. From the airport to the meeting place it is around 1h30. Private Busses are making the connection between the airport and "Stazione Centrale". Then take the metro M2 until "Piola".
- **Linate** is very close to city center, it is possible to go there in 20-30 min by taxi or 1h by busses but only few destinations are landing there (see following table and map)

Departure from	Aeroporto Linate (P)
Walk to	V.le Forlanini Via Circonvallazione (Segrate) (200m)
Take Line No	73 for 7 stops Get off at Viale Campania Viale Corsica
Walk to	Viale Campania Viale Corsica (100m)
Take Line No	91 (Isonzo - Lotto (circolare sinistra)) for 7 stops Get off Viale Gran Sasso - Piazzale Piola M2 (A)



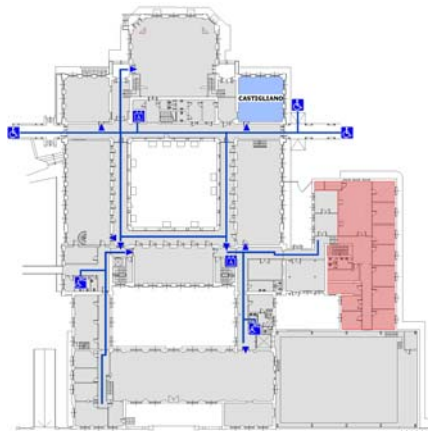
HOW TO REACH MEETING PLACE FROM PIOLA METRO STATION :

- Once you arrived to the metro station “Piola” (metro M2 – green line), you have to walk until Piazza Leonardo da Vinci, 32 (approx. 500m) (see following map)



Map 1: From the metro Station “Piola” (on the line M2) to Politecnico di Milano

- Enter through the second door (the one on the right when you face the Politecnico building) and walk until the building 5. The conference room is called “Castigliano”(see following map).



Map 2 : Building 5 – Conference room Castigliano:

HOW TO TAKE PART TO THE VIDEO CONFERENCE Call :

Preliminary requirement : The video system used (hardware or software) respects protocol H323.

Different steps to join the session:

For the day 26/03/2012 the session name is “Task 48” from 8:00am to 6:00pm.

1/ Call the address IP : **130.186.8.16**

2/ Once connected, you have to enter in the session **96**, by writing this number on the monitor.

3/ Once entered, write the PIN code **2710**

For the day 27/03/2012 the session name is “Task 48bis” from 8:00am to 6:00pm.

1/ Call the address IP : **130.186.8.16**

2/ Once connected, you have to enter in the session **74**, by writing this number on the monitor.

3/ Once entered, write the PIN code **2710**