IEA SHC Task 48 6th meeting

Quality assurance and support measures for Solar Cooling

Donald Gordon Conference Centre (DGCC)
421 Union Street
Kingston, Ontario
Canada K7L 3N6
Toll Free: (866) 455-2655 - Voice: (613) 533-2221
http://business.queensu.ca/dgcc/

E--Mail: harrison@me.queensu.ca

Meeting Agenda – Final Version

Monday May 12th, 2014, 8:00am – 16:00pm
Tuesday May 13th, 2014, 7:00am – 2:00pm


Participation fee:
The participation fee is $175.00 CDN per day ($350 total) and includes: meeting registration + accommodations + breakfast + lunch + Monday dinner. Accommodations are provided at the Donald Gordon Conference Center, Kingston Ontario, see address above. The DGCC provides overnight accommodation for those attending and will be the site of the conference. You can make your meeting registration / accommodation reservations online at: https://reservations.donaldgordoncentre.com/ using Group Code: 135443 and PIN: IEA14

Venue: http://task48.iea-shc.org/6th-experts-meeting

Donald Gordon Conference Centre (DGCC)
421 Union Street
Kingston, Ontario
Canada K7L 3N6
Host: Steeve Harrison / Ben Stinson
e-mail: harrison@me.queensu.ca / benstinson@qsbri.com

Accommodation: at Donald Gordon Conference Centre

Get Together optional Dinner on Sunday 11th (Own Cost):
Kingston Brew Pub
34 Clarence Street
Kingston, ON K7L 1W9
(613) 542-4978

Official Meeting Dinner
The dinner will take place at a restaurant in Kingston on Monday May 12th, 2014 at 7 p.m.

final version – 05/05/2014
Day 1 - Agenda for Monday May 12th, 2014 (8:00pm-16:00pm)

Venue inside Donald Gordon Conference Centre for the main Meeting room

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00-8.15</td>
<td>Welcome and Organisational issues</td>
<td>Daniel Mugnier</td>
<td>TECSOL</td>
</tr>
<tr>
<td>8.15-8.25</td>
<td>Welcome from Queen's Uni</td>
<td>Steeve Harrison/other</td>
<td>Queen's Uni</td>
</tr>
<tr>
<td>8.25-8.45</td>
<td>Presentations of new participants/observers IF NEEDED (5min/each)</td>
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<td></td>
</tr>
</tbody>
</table>

1st block: Subtask Planning & status update

<table>
<thead>
<tr>
<th>Time</th>
<th>Task Description</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.45-9.15</td>
<td>Subtask A: Structures, status, deliverables</td>
<td>Marco Calderoni</td>
<td>POLIMI</td>
</tr>
<tr>
<td>09.15-9.50</td>
<td>Subtask B: Structures, status, deliverables</td>
<td>Alex Morgenstern</td>
<td>FhG ISE</td>
</tr>
<tr>
<td>09.50-10.10</td>
<td>Coffee Break</td>
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<td></td>
</tr>
<tr>
<td>10.10-10.40</td>
<td>Subtask C: Structures, status, deliverables</td>
<td>Stephen White</td>
<td>CSIRO</td>
</tr>
<tr>
<td>10.40-11.10</td>
<td>Subtask D: Structures, status, deliverables</td>
<td>Uli Jakob</td>
<td>Green Chiller</td>
</tr>
</tbody>
</table>

2nd block: Latest developments & results session

<table>
<thead>
<tr>
<th>Time</th>
<th>Task Description</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.10-11.30</td>
<td>Simplified design tool used as a reference calculation tool: design facilitator</td>
<td>Daniel Mugnier</td>
<td>TECSOL</td>
</tr>
<tr>
<td>11.30-11.45</td>
<td>Latest results and discussions on B7 &amp; B1 activities</td>
<td>Daniel Neyer</td>
<td>UIBK</td>
</tr>
<tr>
<td>11.45-12.00</td>
<td>Full final results of the EVASOLK project</td>
<td>Alexander Morgenstern</td>
<td>ISE</td>
</tr>
<tr>
<td>12.00-12.15</td>
<td>Status of the LCA tool and an update of research activities at UNIPA</td>
<td>Marco Beccali</td>
<td>UNIPA</td>
</tr>
<tr>
<td>12.15-12.30</td>
<td>CASCO Chiller concept</td>
<td>Marco Calderoni</td>
<td>POLIMI</td>
</tr>
<tr>
<td>12.30-12.45</td>
<td>One Full year monitoring results for the SERM SAC</td>
<td>McNevin, Seeman</td>
<td></td>
</tr>
<tr>
<td>12.45-13.00</td>
<td>Queen’s Uni lastest developments</td>
<td>Salimizad</td>
<td>Queen’s</td>
</tr>
</tbody>
</table>

13.00-14.00 Lunch Break at DGCC in a room beside the meeting room (T601)

Please advise any dietary requirements - benstinson@qsbr.com

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Working groups: block1

14:00-14:10 Organization of Group discussions on Work  Daniel Mugnier  TECSOL
Package level (5-6 people max per item)

14:10-16:00 Meeting in parallel on Work Package level; Suggested topics for working groups are:

* A2/B3: Life Cycle analysis on component/system (Activity Leader: Marco Beccali (UNIPA) and Tim Selke (AIT))

* B6 / A4: Pumps efficiency and adaptability / Self detection on monitoring procedure (Activity leaders: Martin Helm (ZAЕ) & Dirk Pietruschka, Zafh.net)


=== End of the working Day 1 at 4pm ===

16:00-17:30 Technical tour:
Liquid Dessicant cooling / Solar air conditioning system at Queen’s University

Official Meeting Dinner: Place TO BE DETERMINED on Monday May 12th, 2013 at 7 p.m.

Day 2 - Agenda for Tuesday May 13th (7:00pm-14:00pm)

Working groups: block2

7:00-7:10 Organization of Group discussions on Work  Daniel Mugnier  TECSOL
Package level (5-6 people max per item)

7:10-08:50 Meeting in parallel on Work Package level; Suggested topics for working groups are:

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


08:50-09:10 Coffee Break 1

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### Working groups: block3

**09:10-10:30** Meeting in parallel on Work Package level; Suggested topics for working groups are:

- **B7/C2**: Quantitative quality and cost competitiveness criteria for systems / Methodology for performance assessment, rating and benchmarking (Activity Leader : D. Neyer (UIBK)/ S. White (CSIRO))

**10:30 - 10:50** Coffee Break 2

### Working groups: block4

**10:50-12:00** Meeting in parallel on Work Package level; Suggested topics for working groups are:

- **B2**: Good practice for DEC design and installation (Activity Leader : Tim Selke (AIT))
- **C7**: Certification process definition for small systems (Activity Leader : Jochen Döll (ISE))

<table>
<thead>
<tr>
<th>Time</th>
<th>Subtask</th>
<th>Topic</th>
<th>Activity Leader</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.00-12.25</td>
<td><strong>Subtask A</strong></td>
<td>Report on working group items; planning of next steps; distribution of work; action items</td>
<td>Marco Calderoni POLIMI</td>
</tr>
<tr>
<td>12.25-12.50</td>
<td><strong>Subtask B</strong></td>
<td>Report on working group items; planning of next steps; distribution of work; action items</td>
<td>Alex Morgenstern FhG ISE</td>
</tr>
<tr>
<td>12.50-13.15</td>
<td><strong>Subtask C</strong></td>
<td>Report on working group items; planning of next steps; distribution of work; action items</td>
<td>Stephen White CSIRO</td>
</tr>
<tr>
<td>13.15-13.40</td>
<td><strong>Subtask D</strong></td>
<td>Report on working group items; planning of next steps; distribution of work; action items</td>
<td>Uli Jakob Green Chiller</td>
</tr>
<tr>
<td>13.40-14.00</td>
<td>General items, next meetings, miscellaneous</td>
<td>Daniel Mugnier TECSOL</td>
<td></td>
</tr>
</tbody>
</table>

**14:00** End of Task 6th expert meeting

**Lunch at DGCC beside the meeting room**

**Visit of the Queen's Lab and departure for Montreal**

**final version – 05/05/2014**
Annex 1: Meeting Participant list (registered on 12/05)

1. Daniel Mugnier  
   TECSOL 
   daniel.mugnier@tecsol.fr
2. Tim Selke  
   AIT  
   tim.selke@ait.ac.at
3. Alexander Morgenstern  
   Fraunhofer ISE  
   alexander.morgenstern@ise.fraunhofer.de
4. Uli Jakob  
   Green Chiller  
   uli.jakob@greenchiller.de
5. Martin Helm  
   ZAE Bayern  
   helm@muc.zae-bayern.de
6. Marco Beccali  
   University of Palermo  
   marco.beccali@dream.unipa.it
7. Marco Calderoni  
   POLIMI  
   marco.calderoni@polimi.it
8. Daniel Neyer  
   UIBK  
   daniel.neyer@uibk.ac.at
9. Khalid Nagidi  
   EMCG  
   khalid.nagidi@energymcg.com
10. Steve Harrison  
    Queen’s University  
    harrison@me.queensu.ca

Video:
1. Alexander Thür  
   UIBK  
   alexander.thuer@uibk.ac.at
2. Moritz Schubert  
   SOLID  
   m.schubert@solid.at
3. Stephen White  
   CSIRO  
   stephen.d.white@csiro.au
4. Mathias Safarik  
   ILK Dresden  
   mathias.safarik@ilkdresden.de
5. Yanjun Dai  
   SJTU  
   yjdai@sjtu.edu.cn
6. Patrizia Melograno  
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7. Alice Vittoriosi  
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   alice.vittoriosi@eurac.edu
8. Hilbert Focke  
   ASIC  
   focke.hilbert@asic.at
9. Roberto Fedrizzi  
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   roberto.fedrizzi@eurac.edu
10. Jochen Doell  
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11. Fugmann Hannes  
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    hannes.fugmann@ise.fraunhofer.de
12. Andrea Frazzica  
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    andrea.frazzica@itae.cnr.it
13. Salvatore Vasta  
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    salvatore.vasta@itae.cnr.it

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ANNEX 2: LOGISTICS ON THE MEETING IN KINGSTON