

Solar Cooling / Solar Assisted Heat Pumps: Update on R&D in these two fields thanks to the IEA SHC Programme

The Solar Heating and Cooling Programme of the International Energy Agency (IEA SHC) invites to a press meeting on 20 October 2011, along the estec2011 conference in Marseille. IEA SHC experts will provide information on the latest R&D in Solar Cooling and Solar Assisted Heat Pumps.

Date: Thursday, 20 October 2011

Time: 14:00 – 14:45h

Where: Marseille (France), Palais des Congrès, Parc Chanot, Room Morgiou

Languages: English and French (interpretation provided)

This event presents the latest work of the SHC Programme on the following topics:

- Quality assurance and support measures for solar cooling (task 48)
- Solar and heat pumps (task 44)

The interactive presentations of the SHC Programme and of the Task 44 & 48 work will be conducted by IEA SHC chairman Werner WEISS, Jean Christophe HADORN (responsible for task 44) and Daniel MUGNIER (responsible for task 48).

Agenda of the press meeting:

1. Introduction: presentation of the SHC Programme of the IEA (10 min)
Werner Weiss, AEE INTEC, Austria (Chairman IEA SHC)
2. Presentation of the 48 task: issue, calendar, results (10 min)
Daniel Mugnier, TECSOL, France, (Project Manager)
3. Presentation of the 44 task: issue, calendar, results (10 min)
Jean Christophe Hadorn, database Consultants, Switzerland,
(Project Manager)
4. Questions / answers (15 min)

The latest news reveals more than ever how the Energy topic is a capital issue for the Planet. Heating and cooling consumption in the buildings represents more than half of the total energy consumption in Europe. Renewable energy and in particular Solar thermal energy is one of the most promising opportunity to reduce fossil fuel consumption and then partially fit existing heating and cooling needs in Europe or even worldwide.

IEA SHC Programme in a few words: The Programme was established in 1977. Its objectives are co-operative research, development, demonstration and exchange of information regarding solar heating and cooling systems. 19 countries and the European Union are IEA SHC members. The research topics of the current 9 projects range from more general topics, such as “Solar resource assessment and forecasting” , system research, such as “Large solar thermal systems” to material research, such as the use of “Polymeric materials for solar thermal applications.”

Task 48 in a few words: This project is designed to help the development of a sustainable and strong market for solar cooling technology. To do this, the experts will work on a tool set and on procedures to improve the solar cooling system quality and their penetration into the heating and cooling market for buildings. The project just starts in 2011 for 3 years and includes experts from Germany, Australia, Austria, Canada, Belgium, Spain, France, Italy, Singapore and USA.

Task 44 / Annex38 in a few words: This project is aimed to optimize the combination of solar thermal energy and heat pumps, first for individual houses using electric heat pumps and glazed/unglazed solar thermal collectors. This combination of two mature technologies poses significant technical challenges and the project aims to facilitate the development of packaged and efficient solutions. Over the period 2010-2013, the project brings together experts from Germany, Austria, Canada, Belgium, Denmark, Spain, Finland, France, Italy, Norway, United Kingdom, Sweden, Switzerland and USA.

Additional information:

- Full press package: http://www.iea-shc.org/press/2011-10-10_Press-Event-20-October-2011-Marseille.zip
- ESTEC 2011 Conference: www.estec2011.eu/fr/home/
- Conference location: <http://www.parc-chanot.com/palais-des-congres-et-des-expositions/plan-interactif.html>
- Web sites task 44 and 48:
 - <http://www.iea-shc.org/task48/>
 - <http://www.iea-shc.org/task44/>

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