

Solar cooling and summer comfort

IBPSA France - SFT 2007 workshop

organised by Etienne Wurtz (INES, Chambéry) and Hans Martin Henning (Fraunhofer ISE, Germany)

Where? Conference center of Aix-les-Bains

Wednesday April 25, 2007 at 9:00 Welcome at 8:30

Conference center Rue Jean Monard 73100 Aix-les-Bains Proceedings are online... index.php?option=com_content&view=article&id=17:journee-thematique-ibpsa-france-sft-2007&catid=1:conferences&Itemid=55



Workshop proceedings

Morning: Solar Air-Conditioning and Refrigeration

09:00 Welcome and introduction. Solar Air-Conditioning and Refrigeration - Introduction. [Hans Martin Henning](http://lora.free.fr/task38/pdf/matin/Henning.pdf), Fraunhofer ISE, Germany. Block 1 - Technologies

09h30 Thermally driven water chillers ♦ market status and new developments. [Daniel Mugnier](http://lora.free.fr/task38/pdf/matin/Mugnier.pdf), Tecsol, France.

10h00 Open sorption systems, desiccant air handling units ♦ market status and new developments. [Mario Motta](http://lora.free.fr/task38/pdf/matin/Motta.pdf), Italy.

10:30 Coffee break

11h00 Solar collectors for solar cooling ♦ market status and new developments. [Joao Farinha Mendes](http://lora.free.fr/task38/pdf/matin/Mendes.pdf), Portugal (alternative: someone from Aiguasol, Spain). Block 2 ♦ Practical experience

11:30 Experiences from design studies, simulation studies and installations. [Edo Wiemken](http://lora.free.fr/task38/pdf/matin/Wiemken.pdf), Fraunhofer ISE, Germany.

12h00 Experiences from various installations. [Horst Striessnig](http://lora.free.fr/task38/pdf/matin/Striessnig.pdf), S.O.L.I.D., Austria.

12h30 IEA Task 38, expected results and opportunities of collaboration. [Hans Martin Henning](http://lora.free.fr/task38/pdf/matin/Henning_2.pdf), Fraunhofer ISE, Germany.

Afternoon: Summer comfort

14h00 VIP (Vacuum Insulating Panel) + PCM (Phase change Material), Two technologies for Energy Efficiency of Building Envelope. [Daniel Quard](http://lora.free.fr/task38/pdf/apresmidi/Sallee.pdf), Hert Sall, Kevyn Johannes, CSTB.

14h20 Improvement of summer comfort in buildings with wooden frameworks by integrating a Double Internal Wall, with night ventilation. [Gilles Fraisse](http://lora.free.fr/task38/pdf/apresmidi/Fraisse.pdf), LOCIE, Polytech'Savoie

14h40 Effect of phase change materials on summer comfort in light framework buildings. [Jean Noel](http://lora.free.fr/task38/pdf/apresmidi/Noel.pdf), CETHIL, INSA de Lyon.

15h00 Improvement of summer comfort for buildings under roofs. [Diane de Cacqueray](http://lora.free.fr/task38/pdf/apresmidi/DeCacqueray.pdf), Thierry Duforestel, EDF R&D.

15h20 Study of the cooling potential of a desiccant evaporative system. [Chadi Maalouf](http://lora.free.fr/task38/pdf/apresmidi/Maalouf.pdf), Etienne Wurtz, INES, CNRS

15h40 Thermal model of an earth-to-air heat exchanger for the cooling of buildings. [Sthane Thiers](http://lora.free.fr/task38/pdf/apresmidi/Thiers.pdf), Bruno Peuportier, CEP, Ecole des Mines de Paris.

