



Bad Krozingen: The region is on the threshold of Europe: the border triangle, where Germany, France and Switzerland meet. The mountainous Black Forest or the neighbouring Vosges, the hilly Markgräflerland region or the flat Rhine Valley offer the right route to suit every taste. The Bad Krozingen station, with regional trains every half hour in the direction of Freiburg and Basel, is just 100 meters away. Next Airports: Frankfurt, Zürich, Straßburg, Basel

Organisation

Organisation Committee

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Conference Venue

Kurhaus Bad Krozingen
 Kurhausstr. 1
 79189 Bad Krozingen, Germany
<http://www.bad-krozingen.info/eng/content/view/full/128>

Accommodation

Please book your accommodation as soon as possible by yourself.
<http://www.bad-krozingen.info/eng/Accommodation>

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Conference Fee

If registered until August 7th, 2013 | after August 7th, 2013
 Per Person: € 700,- | 780,-
 Member of OTTI/ASHRAE/ESTIF/
 Green Chiller/ REHVA/ DKV/ FBK/
 VBI/ IEA/ Solarthermalworld/
 AICARR: € 600,- | 680,-
 Discount for SHC
 participants: € 80,-
(Discount is only valid for participants of both conferences.)
 Registration conditions of SHC 2013 are valid.

Reduced fee for presenters: € 380,-
 Please note: You will receive a similar discount for your registration at the SHC-Conference. To apply for the discount please register additionally under www.shc2013.org.

You will receive two invoices. Fees cover the admission to all sessions, invitation to all coffee breaks, conference lunch, a dinner, the conference proceedings and the proceedings online.

You will meet

Planners, architects, engineers and scientists active in air-conditioning, solar thermal and cooling, energy policy makers, manufacturers, industry representatives, other attendees

5th International Conference Solar Air-Conditioning
 September 25th - September 27th, 2013 (SAC-4137)

- I will participate.
- I will submit a paper.
- Interested in sponsorship.
- Interested in exhibition.
- I will register for the SHC-Conference, too, and will get the reduced fee.

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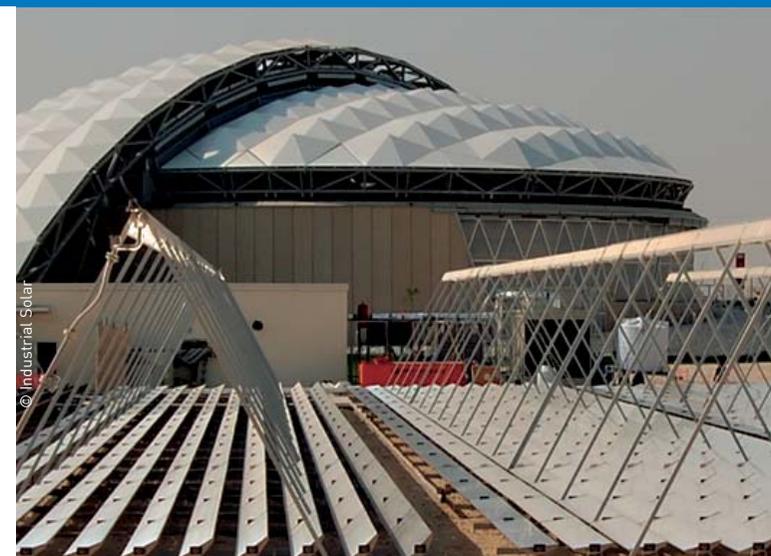
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**Ostbayerisches Technologie-Transfer-Institut e.V. (OTTI),
 Wernerwerkstraße 4, D-93049 Regensburg, Germany
 Conditions of Participation and Cancellation:**

You will receive your registration documents with receipt of your registration. The participation fee is VAT-exempt and due net with receipt of the invoice. Please transfer the invoice amount not later than 14 days before the conference starts. Otherwise a copy of the transfer order must be presented at the conference desk. All bank charges have to be covered by the transmitter. Entrance to the conference can only be permitted if OTTI has received the payment. OTTI reserves the right to make modification and amendments of any kind for urgent reasons. In the case of a cancellation of your registration up to 30 days before the seminar takes place, we do not raise a cancellation fee. For cancellations made within a period of 30 to 15 days before the start of the seminar, we charge a service fee of € 120. In the event of cancellations made later than 15 days before the seminar, or in the case of absenteeism, the total participation fee will be charged, unless you are able to provide evidence of a deviating amount of damages or expenses. The cancellation must be in written form. The person representing the contracting party may be replaced at any time but a written notice is necessary not later than 4 days before the conference starts. Irrespective of legal basis, OTTI shall only be liable for property damage and pecuniary loss which occurred due to intent or gross negligence. The place of fulfilment and jurisdiction is Regensburg, Germany. Double registrations: Conditions of Participation and Cancellation of the SHC-Conference are also valid!



5th International Conference

Solar
 Air-Conditioning

**Bad Krozingen, Germany
 Wednesday, September 25th, 2013 -
 Friday, September 27th, 2013**

www.otti.de



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Since the first International Conference on Solar Air Conditioning which took place in 2005 in Bad Staffelstein in Germany, solar cooling technology has faced a lot of changes and evolutions. At this early time, the technology was still in its infancy, mainly driven by R&D institutes and promising a huge potential as an alternative to conventional technology. Since then, conventional energy is still and even more and more expensive and at the same time, solar energy represents the only sustainable and significant renewable way to do air conditioning for buildings.

Now, worldwide, most cooling and refrigeration systems are however still powered by electricity and thermally driven cooling technologies are largely used in combination with waste heat, district heat or co-generation units but not yet widely with solar thermal technology. Over the last decade, about one thousand installations have been realized, mostly in the framework of research and demonstration programs. Some years ago, the start of commercial market development has been observed in the residential sector in Mediterranean countries (e.g. Spain) and in the office building sector in Asia (India, Singapore, China).

Solar cooling technology did not grow up as fast and as massively as expected but the technology is facing a very exciting challenge. Mature components are available and a significant number of reference installations have been realized worldwide. The technology has shown that significant energy savings are possible, and it has reached a level of early market deployment. However, the financial risk for parties involved in solar cooling business is still not clear. More than ever, R&D must be developed on the topic of Solar air conditioning and the 5th International Conference on Solar Air Conditioning in September 2013 will be a unique occasion to show how the crucial battle of Solar cooling to become a bankable technology can be achieved.

For this conference, because Solar air conditioning is *stricto sensu* Solar energy as the main energy driver to do air conditioning, a brand new topic will be initiated: PV driven solar air conditioning systems. This new topic is related to the direct coupling of photovoltaic and electrically driven chillers/air conditioners. This solar air conditioning application where PV is the main energy driver for cooling was until recently not developed at all because of the quasi systematic grid connection of PV systems. But now that grid parity is becoming a very hot topic in sunny countries and even in all Europe very soon, the 5th International Conference on Solar Air Conditioning had to take into account this new topic which can be considered as a competitor to the traditional Solar cooling technology or in certain case as a complementary technology in other cases.

As a return to the origin after 8 years and Kloster Banz in Bad Staffelstein, the 5th OTTI conference is coming back to Germany and another town in South West area of Baden Württemberg : Bad Krozingen. Close to Freiburg in Breisgau, location of one of the most important R&DF institutes in the World specialized on Solar energy and especially Solar cooling, this town will be an ideal place for speaking about Solar Air Conditioning. Moreover, it will take place just after the 2nd SHC conference which will occur in Freiburg a few days before.

Last but not least, Bad Krozingen is on the threshold of Europe: the border triangle, where Germany, France and Switzerland meet.

Dr. Daniel Mugnier

Tecsol SA

Conference Focus

- Development of technologies
- Know-how transfer
- Identification of R&D needs
- Exchange of results and ideas

Topics of the Conference

Papers are invited on the following topics:

- 1. Thermally driven Solar Air-Conditioning:**
 - components
 - heat driven water chillers
 - heat driven open cycles
 - System technology
- 2. Photovoltaic driven Solar Air Conditioning Systems**
- 3. Practical Experience: Operation, Maintenance, Energy Performance, Cost Performance**
- 4. Solar Cooling Applications**
- 5. System Design; Design Tools, Simulation, Engineering**

Papers will be presented orally and in poster sessions. All accepted papers will be published in the proceedings volume and in an online version. The abstract, in English, should include: Full title, author's full name, affiliation, address, phone/fax/e-mail, name and affiliation of co-authors, topic, kind of presentation (oral or poster), a brief summary including the purpose, methods, approach, results and conclusions of the presented work. The whole on ONE sheet A4. In addition, authors may add up to 1 explanatory page to facilitate the reviewer's assessment.

Deadline for submission of abstracts: February 15th, 2013

Please upload your abstract in our review system under:
<http://review.otti.eu>

At the end of April you will receive an e-mail with the result of the evaluation.

With the acceptance of your abstract you are automatically registered for the conference. It is not possible to cancel once accepted.

If you are accepted please upload the ready for printing manuscript (6 pages) in our review system by July 26th, 2013

Payment Deadline: July 15th, 2013
Otherwise we can't publish the manuscript!

Programme

The programme for this conference will comprise of

- Invited lectures
- Oral presentations
- Posters

Language of the conference will be English.

Dr. Daniel Mugnier

Tecsol SA., Perpignan Cedex, France

Scientific Committee

Dr. Constantinos A. Balaras

Group Energy Conservation, Institute for Environmental Research & Sustainable Development, National Observatory of Athens, Greece

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Università degli Studi di Palermo, Dipartimento dell' Energia, Palermo, Italy

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