

Invitation to the workshop

IEA Solar Heating and Cooling Research Co-operation

Workshop

Date:

5 June, 2019
9:00 – 17:00 h

Location:

Ministry for Transport,
Innovation and Technology
Radetzkystrasse 2
1030 Vienna
Ground floor, Room EA08

www.nachhaltigwirtschaften.at/iea



Photo: AEE INTEC

Workshop

IEA Solar Heating and Cooling Research Co-operation

The Solar Heating and Cooling Technology Collaboration Programme (SHC TCP) was established in 1977, one of the first programmes of the International Energy Agency. For over 40 years the SHC TCP's overarching objective has been co-operative research, development, demonstration and exchange of information regarding solar heating and cooling systems.

The SHC TCP has 20 countries, the European Union and four international institutions as members. More than 400 experts are currently working on seven collaborative tasks. The content of the research projects are solar energy technologies and architectural designs that include active solar thermal heating and cooling, photovoltaic driven heating and cooling, passive solar building design and solar architecture, as well as the consideration of daylighting and thermal comfort.

Through multi-disciplinary international collaborative research, knowledge exchange, and market and policy recommendations, the SHC TCP contributes to increase the deployment rate of solar heating and cooling systems by breaking down the technical and non-technical barriers.

In the IEA SHC Workshop "Solar Heating and Cooling Research Co-operation", the results of the ongoing projects will be presented and the possibilities of involving Austrian experts from research and industry will be discussed. In addition, successful Austrian projects will be presented.



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09:00 Welcome coffee and tea

09:30 WELCOME SESSION

Werner Weiss, IEA SHC ExCo representative Austria
Michael Paula, Ministry for Transport, Innovation and Technology

09:40 Austria in the IEA and Other International Activities

Sabine Mitter, Ministry for Transport, Innovation and Technology

09:55 Main Focus and Current Tasks of the IEA Solar Heating and Cooling Programme

Dr. Daniel Mugnier, IEA SHC ExCo Chair

SOLAR THERMAL APPLICATIONS AND COMPONENTS

Session Chair:

Ken Guthrie, Sustainable Energy Transformation Pty Ltd., Australia

10:10 Integration of Large Solar Thermal Systems into District Heating and Cooling Networks

Sabine Putz, OA IEA SHC Task 55, SOLID GmbH, Austria
Jan Erik Nielsen, Solarkey, Denmark

10:30 Solar Energy in Industrial Water Management

Drⁱⁿ. Bettina Muster-Slawitsch, IEA SHC Task 62, AEE INTEC, Austria
Alexander van de Klij, Solardew, The Netherlands

10:50 COFFEE BREAK

Session Chair: Dr. Richard Hall, Energy Transitions Limited, United Kingdom

11:10 Application of PVT Collectors and New Solutions with PVT

Jean-Christophe Hadorn, OA IEA SHC Task 60, Switzerland
Alexander Friedrich, 3F Solar Technologies GmbH, Austria

11:30 Material and Component Development for Thermal Energy Storage

Dr. Wim van Helden, OA IEA SHC Task 58, AEE INTEC, Austria

11:50 Discussion of the presentations of the morning session

12:30 LUNCH BREAK

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SOLAR BUILDINGS AND ADVANCED BUILDING COMPONENTS

Session Chair: Kerstin Krüger, Forschungszentrum Jülich, Germany

**13:30 Deep Renovation of Historic and Listed Buildings
Towards Lowest Possible Energy Demand and CO₂ Emission**
Drⁱⁿ. Alexandra Troi, OA IEA SHC Task 59, EURAC Research, Italy
Prof. Dr. Rainer Pfluger, Innsbruck University, Austria

**13:50 Building Integrated Solar Envelope Systems
for HVAC and Lighting**
Dr. Fabian Ochs, Subtask Leader IEA SHC Task 56,
Innsbruck University, Austria

**14:10 Integrated Solutions for Daylight and Electric Lighting:
From Component to User Centered System Efficiency**
Jan de Boer, OA IEA SHC Task 61, Fraunhofer Institute
for Building Physics, Germany
David Geisler-Moroder, Bartenbach GmbH, Austria

14:30 Discussion of the presentations of the afternoon session

15:00 COFFEE BREAK

Session Chair: Dr. Artur Bobovnický, SIEA, Slovakia

15:20 Next Generation of Integrated Solar Houses
Christian Fink, AEE INTEC, Austria

15:40 Success of the Austrian Large-Scale Solar Systems Program
Gernot Wörther, Austrian Climate and Energy Fund, Austria

**16:00 Panel Discussion – Solar Heating and Cooling
in an Integrated Renewable Energy System**
Moderation: Werner Weiss, AEE INTEC, Austria

Panelists:

- >> Roger Hackstock, Association Austria Solar, Austria
- >> Christian Holter, SOLID GmbH, Austria
- >> Dr. Daniel Mugnier, IEA SHC ExCo Chair, Tecsol, France
- >> Alessandra Scognamiglio, ENEA, Italy
- >> Drⁱⁿ. Alexandra Troi, EURAC Research, Italy

17:00 END

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INFORMATION

AEE INTEC
Manuela Eberl
Feldgasse 19, 8200 Gleisdorf
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phone: 03112/58 86-0
www.aee-intec.at

REGISTRATION

Participation is free, please register by email:
seminare-aeintec@aee.at

REGISTRATION



Quelle: www.wienerstadtplan.at,
Karte aus Open Data Stadt Wien <http://data.wien.gv.at>

GETTING THERE:

Underground lines:
U3 or U4 Landstraße,
Walking distance about 10 minutes Hintere or
Vordere Zollamtsstraße,

U1 Schwedenplatz,
Walking distance about 10 minutes to
Radetzkystrasse

Tramway lines:
Line 2 (stop Julius-Raab-Platz)
Line 0 and 1 (stop Hintere Zollamtsstraße)

RESEARCH COOPERATION INTERNATIONAL ENERGY AGENCY

Austrian Ministry of Transport,
Innovation and Technology
Energy and Environmental Technologies
Head of Division: DI Michael Paula
Radetzkystrasse 2, 1030 Wien, Austria

www.nachhaltigwirtschaften.at/iea

ORGANIZER:

 Federal Ministry
Transport, Innovation
and Technology



 IEA RESEARCH
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