

# 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](http://www.nachhaltigwirtschaften.at/iea)



## 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.



Photo: AEE INTEC



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## Programme > IEA-Workshop > Solar Heating and Cooling Research Co-operation June 5<sup>th</sup>, 2019 > BMVIT > Vienna



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

Dr<sup>in</sup>. 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 CO<sub>2</sub> Emission**  
Dr<sup>in</sup>. 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
- >> Dr<sup>in</sup>. Alexandra Troi, EURAC Research, Italy

**17:00 END**

# Workshop

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5 June, 2019  
9:00 – 17:00 h

### INFORMATION

AEE INTEC  
Manuela Eberl  
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phone: 03112/58 86-0  
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### REGISTRATION

Participation is free, please register by email:  
[seminare-aeintec@aee.at](mailto:seminare-aeintec@aee.at)

### REGISTRATION



Quelle: [www.wienerstadtplan.at](http://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](http://www.nachhaltigwirtschaften.at/iea)

### ORGANIZER:

 Federal Ministry  
Transport, Innovation  
and Technology



 IEA RESEARCH  
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