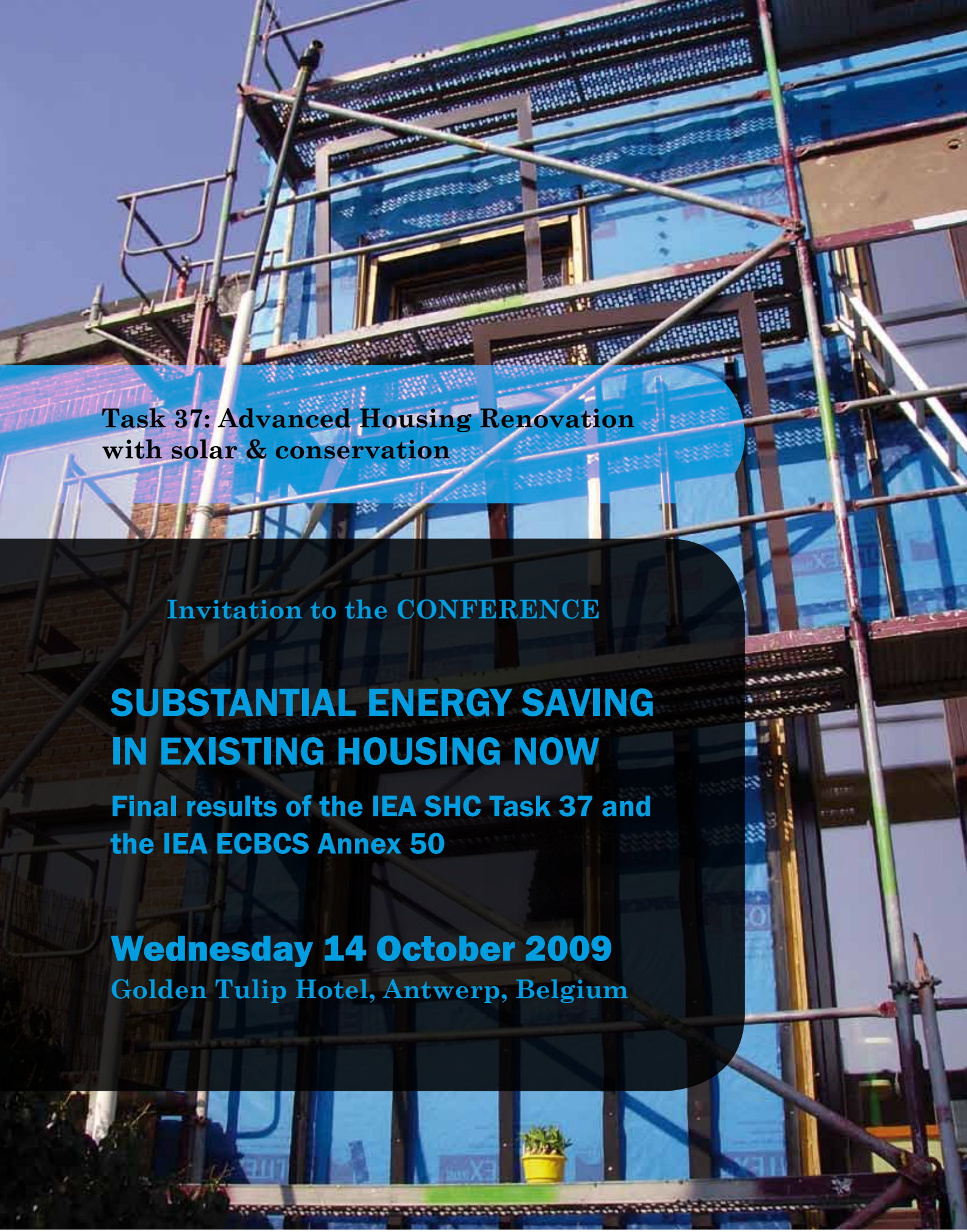

Task 37: Advanced Housing Renovation with solar & conservation

Invitation to the CONFERENCE

SUBSTANTIAL ENERGY SAVING IN EXISTING HOUSING NOW

Final results of the IEA SHC Task 37 and the IEA ECBCS Annex 50

Wednesday 14 October 2009

Golden Tulip Hotel, Antwerp, Belgium

Vlaams Innovatienetwerk met steun van IWT

A unique international conference addressing policy development for low energy housing retrofit!

The conference will take place in the framework of final meeting of two work groups of the International Energy Agency, in the Golden Tulip Hotel, Antwerp, Belgium on Wednesday 14 October 2009.

Objectives of the conference

- sustainable buildings - challenges and visions in existing housing buildings
- presentation of the IEA SHC Task 37 and Annex 50 and how to use the results
- presentation of the different policies and researches

Who should attend?

- Policy makers
- Professionals (architects, engineers, innovative companies,..)
- Researchers and International Energy Agency experts

Who is organizing?

The international conference is organized by Passiefhuis-Platform in Antwerp, Belgium, in collaboration with the following:

The International Energy Agency (IEA)

The International Energy Agency (IEA) is an intergovernmental organisation which acts as energy policy advisor to 28 member countries in their effort to ensure reliable, affordable and clean energy for their citizens. Founded during the oil crisis of 1973-74, the IEA's initial role

Schedule

09.00	Registration
MORNING SESSION: SUSTAINABLE VISION VERSUS POLICY PROGRAMMES	
09.30	Opening and welcome
09.40	Housing renovation – challenges and visions – how can IEA influence, Fritjof Salvesen (KanEnergi AS, Operating Agent IEA SHC Task 37)
10.00	Environmental Impact Assessment of the building stock, André De Herde & Sophie Trachte (UCL, Architecture et Climat)
10.20	From demonstration project to volume market, Trond Haavik (Segel AS) & Are Rodsjo (Norwegian State Housing Bank)
10.40	Coffee Break
11.00	Scope and limitations of 'Energy Renovation 2020', Luk Vandaele (BBRI)/ Geert Matthys (Flemish Building Confederation)
11.15	Demonstration projects in the Brussels Capital Region: initiating a long-term trend?, Caroline Jadoul (Brussels Environment)
11.30	The Dutch programme 'More with Less': a successful initiative for market growth?, Ivo Opstelten (ECN)/ Chris Bruinesse (Meer met Minder)
11.45	Reaching the volume market with energy policy programmes: lessons from Canada, Paul Parker (University of Waterloo)
12.00	Round Table: economic and political challenges for low energy housing retrofit
12.30	Lunch

was to co-ordinate measures in times of oil supply emergencies. As energy markets have changed, so has the IEA. Its mandate has broadened to incorporate the "Three E's" of balanced energy policy making: energy security, economic development and environmental protection. Current work focuses on climate change policies, market reform, energy technology
collaboration and outreach to the rest of the world, especially major consumers and producers of energy like China, India, Russia and the OPEC countries.

The IEA Solar Heating and Cooling Programme (SHC)

The Solar Heating and Cooling Programme was established in 1977, one of the first programmes of the International Energy Agency. The Programme's work is unique in that it is accomplished through the international collaborative effort of experts from Member countries and the European Commission.

Its mission is to continue to be the preeminent international collaborative programme in solar heating and cooling technologies and designs.
Website: http://www.iea-shc.org/

o TASK 37: Advanced Housing Renovation with Solar & Conservation

The objective of SHC Task 37: Advanced Housing Renovation with Solar and Conservation is to develop a solid knowledge base on how to renovate housings to a very high energy standard and to develop strategies that support the market penetration of such renovations. SHC Task 37 focuses on both technical R&D and market implementation.

PARTICIPATING COUNTRIES:

Austria, Belgium, Canada, Denmark, Finland, Germany, Italy, Netherlands, New Zealand, Norway, Sweden, Switzerland
Website: http://www.iea-shc.org/task37

The Energy Conservation in Buildings and Community Systems Programme (ECBCS)

In recognition of the significance of energy reduction in buildings, the International Energy Agency has established an Implementing Agreement on Energy Conservation in Buildings and Community Systems (ECBCS). The function of ECBCS is to undertake research and provide an international focus for building energy efficiency. Tasks are undertaken through a series of annexes that are directed at energy saving technologies and activities that support their application in practice. Results are also used in the formulation of international and national energy conservation policies and standards.
Its mission is to develop and facilitate the integration of technologies and processes for energy efficiency and conservation into healthy, low emission, and sustainable buildings and communities, through innovation and research.
http://www.ecbcs.org/home.htm

AFTERNOON SESSION: INNOVATION AND EXEMPLARY PROJECTS

14.00	**Overview of ECBCS Annex 50 Prefab-Retrofit, Mark Zimmermann (Swiss Federal Laboratories for Materials Testing and Research Empa, Operation Agent IEA ECBCS Annex 50)**
14.20	**Building Typology and Focus Types in function of prefab retrofit, Prof. Dr. Peter Schwehr (Hochschule Luzern)**
14.40	**Dieselweg Demonstration Building in Graz, Sonja Geier (AEE - Institute for Sustainable Technologies)**
15.00	**Renovation Module Development, René Kobler (Fachhochschule Nordwestschweiz, Institut für Energie am Bau)**
15.20	**Coffee break**
15.40	**Advances in Housing renovation – processes, concepts and technologies, Sebastian Herkel (Fraunhofer Institute Solar Energy Systems)**
16.00	**Worldwide best practice demonstration projects, Robert Hastings (AEU GmbH)**
16.20	**Renovation project Sterrenveld in Belgium, Bernard Wallyn (VMSW)**
16.40	**Renovation project Brogarden in Sweden, Ulla Janson (Lund University)**
17.00	**Round Table: Social and technical challenges for low energy housing retrofit**
17.30	**Reception**
18.30	**End**

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o Annex 50 Prefabricated Systems for Low Energy Renovation of Residential Buildings

Currently, most present building renovations address isolated building components, such as roofs, façades or heating systems. This often results in inefficient and in the end expensive solutions, without an appropriate long term energy reduction. This task force addresses optimal results by prefabrication since sufficient results can not be achieved by single renovation measures.
http://www.ecbcs.org/annexes/annex50.htm

Low Energy Housing Retrofit (LEHR)

The Belgian research is carried out with support of the Belgian State – Federal Sciency Policy in the framework of the project 'Low Energy Housing Retrofit' (LEHR).
http://www.belspo.be
The objectives of the LEHR project are to:
- Identify highly successful renovations through a network of national and international experts
- Systematically compile design, construction and performance information of these renovations
- Publicize the projects to housing owners and design insights to planners

These actions should result in communications destined for different target groups in the forms of published documents, files on the internet web sites of the partners and as a workshop to kick-start the use of innovative passive house technology in renovations.
http://www.lehr.be (under construction)

This research unites three research teams:
Passiefhuis Platform vzw:
Founded in 2002, it's goals is to stimulate the Flemish passive house market, by playing an active role in developing and distributing relevant information towards all parties involved in the building process.
http://www.passiefhuisplatform.be

UCL – Architecture et Climat:
this research cell of the UCL aims since 1980 at the development of climatic and durable architecture, as well as energy efficiency.
http://www-climat.arch.ucl.ac.be

BBRI: This private research institute, founded in 1960, performs scientific and technical research for the benefit of and supplies technical information, assistance and consultancy to its members, and contributes in general to innovation and development in the construction sector.
http://www.bbri.be

IWT VIS-TIS Zeer Energiezuinige Renovaties (ZENRen)

Logistics of the workshop are organized by Passiefhuis-Platform vzw with support of the Flemish Government – IWT in the framework of the Thematic Innovation Stimulation Programme VIS-TIS.
http://www.iwt.be

More information

For registration:
Surf to http://shop.passiefhuisplatform.be

Registration fees (excl. 21% VAT)

Normal registration:	**€220,00**
Member PHP:	**€180,00**

If you are encountering problems, please contact Johan Cré
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fax: +32 (0)3 271 03 59

Location

Golden Tulip Hotel, Antwerp
Lange Kievitstraat 125
2018 Antwerp

Also in the framework of the final meeting IEA SHC Task 37

Antwerp, Belgium from 13. To 16. October
Tuesday 13. October

Study trip to and symposium and building visit in Roosendaal (the largest passive house renovation in the NL)

For information about this event see the attached leaflet.

A unique international conference addressing policy development for low energy housing retrofit!

v.u. Peter Dellaert, communicatieverantwoordelijke Passiefhuis-Platform vzw, Gitschotellei 138, 2600 Berchem