**Symposium - Subject**
Renovation of non-residential buildings towards sustainable standards

**Date**
Thursday, 3 April 2014
Duration: From 10:00 - 16:00 h, approximately

**Event location**
Messe Frankfurt, Exhibition »Light + Building 2014«
Hall 4.2, Room »Dimension«
Ludwig-Erhard-Anlage 1
60327 Frankfurt am Main, Germany

**Information**
The event language is English, simultaneous German translations of the presentations will be provided.

For registered attendees, participation in the symposium is free of charge. We kindly ask you to register before 28 March 2014 at the latest.

**Organisation**
Fraunhofer Institute for Building Physics (IBP)
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Aim

The purpose of the seminar is to present the main outcome of the task. International experts will present results from their work. Expected participants are professionals from the building industry, researchers and government representatives.

Event language is English, simultaneous translation to German will be provided. Veranstaltungssprache ist Englisch, Simultanübersetzung ins Deutsche wird angeboten.

Agenda

10:00  Registration
10:30  Renovation of non-residential buildings towards sustainable standards: Overview of the IEA SHC Task 47
       Fritjof Salvesen, Asplan Viak, Norway
10:45  Important lessons learned from 20 European exemplary retrofit projects for non-residential buildings
       Fritjof Salvesen, Asplan Viak, Norway
11:15  The challenge of retrofitting historic buildings - Examples from Vienna and Graz
       Claudia Dankl, ÖGUT - Österreichische Gesellschaft für Umwelt und Technik, Austria
11:35  Deep retrofit of older office buildings: Lessons learned and recommendations
       Kirsten Engelund Thomsen, Danish Building Research Institute, Denmark
11:55  Powerhouse Kjørbo - Office buildings renovated to plus-energy standard
       Marie Lyseid Authen, Asplan Viak, Norway
12:15  Overview and evaluation of market and policy issues for the retrofit of non-residential buildings
       Trond Segel, Segel AS, Norway
12:45  Lunch
13:45  How to achieve high daylighting quality in retrofitted non-residential buildings? Cross-comparison of retrofitted European buildings and recommendations
       Roman Jakobiak, daylighting.de UG, Germany
14:15  Retrofitting German school buildings to achieve the energy performance standards of plus-energy schools and 3-litre building schools
       Johann Reiß, Fraunhofer Institute for Building Physics, Germany
14:45  Successful retrofit of non-residential buildings: Technical analysis of heating and cooling concepts
       Doreen Kalz, Fraunhofer Institute for Solar Energy Systems, Germany
15:15  Design guideline for sustainable refurbishment of school buildings
       Sophie Trachte, Architecture et Climat, Belgium
15:45  Summing Up

Registration

This is my binding registration for participation in the symposium «Renovation of Non-Residential Buildings towards Sustainable Standards» on 3 April 2014:

Title / Name ........................................................................
First name ...........................................................................
Company / Institution ............................................................
ZIP code / City .....................................................................
E-Mail ..................................................................................

Please return the completed registration form to Fraunhofer IBP so we can register you as a participant in the abovementioned event. If you prefer to register via e-mail, please mail the required data to Mr. Andreas Reith at IBP.

Place / Date ........................................................................
Signature ............................................................................

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