Return Adress (preferably by email to marie-claude.dubois@ebd.lth.se)

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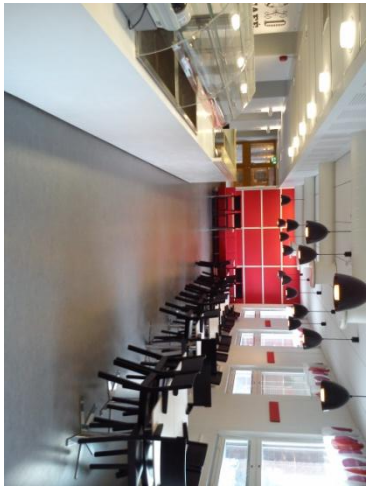

IEA-SHC Task 50

"Advanced Lighting Solutions for Retrofitting Buildings"

Workshop – Topic

Retrofitting of lighting installations in buildings

Date

Wednesday, 20 March 2013, 9.00-13:30 (including lunch)

Location

Gamla Biskopshuset, Biskopsgatan 1, Lund, Sweden

Registration

Participation fee 1200 SEK + moms (135 Euros), including lunch, coffee, beverages (no extra fee for Task 50 experts)

Mandatory Registration

The registration is open until 15 February 2013

Limitation of participants: 65 (30 places reserved for Task 50 experts)

Cancellation policy: Fees will be returned to the participant if cancellation is made before 10 March 2013. For later cancellations, the full fees will be charged to the participant.

Info

Additional information on the workshop, registration, how to get there, etc. can be found under: http://task50.iea-shc.org/ and http://ceebel.se/

Map of Lund University showing Gamla Biskopshuset

(nr 29 at D7 on the map)

http://www4.lu.se/upload/LUPDF/Om_LU/Institutionskarta_LU_2011.pdf

Organization

Head organizer: Marie-Claude Dubois (marie-claude.dubois@ebd.lth.se)

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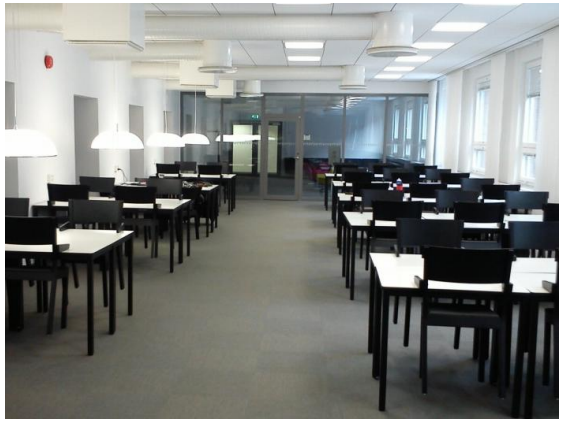

1st Industry Workshop

http://task50.iea-shc.org/

20 March 2013

Gamla Biskopshuset

Biskopsgatan 1

Lund, Sweden

The Swedish participation in this project is funded by:

Swedish Energy Agency

IEA SHC Task 50

Lighting accounts for approximately 19%, i.e. 2900 TWh, of the global electric energy consumption. Research and developments in the field of energy efficient lighting techniques encompassing daylighting, artificial lighting and lighting controls combined with activities employing and bringing these techniques to the market can contribute significantly to reduce worldwide electricity consumptions and $C0_2$ emissions. With a small volume of new buildings in the developed countries, major lighting energy savings can only be realized by retrofitting the building stock. However, lighting retrofits are still lagging behind in relation to what is economically and technically feasible. Reasons for this shortfall include: lack of awareness, confusing variety of retrofit solutions, missing evidence of the saving potential taking into consideration emerging technologies, insufficient technical and constructive solutions, missing integrated rating methods regarding energy and operational costs, and a lack of incentives.

Task 50 targets building owners (investors), authorities, industry and consultants by providing strategic, technical and economic information and by supporting stakeholders to overcome barriers in retrofitting lighting installations. The overall objective of Task 50 is thus to provide information and tools to governments in order to accelerate the development of efficient solutions for retrofitting lighting in the non-domestic sector using cost-effective, best practice approaches, which can be used on a wide range of typical existing buildings. The role of Task 50 participants is to identify and document the best (proven) solutions and strategies, taking into account opportunities and barriers.

The scope of Task 50 is on general lighting systems for indoor environments. The focus is on lighting appliances in non-domestic buildings. Technically, Task 50 addresses daylight utilization through better façade/roof technologies and architectural solutions, electric lighting schemes as well as lighting control systems and strategies.

Objective of the workshop

- Task experts will inform about general lighting retrofit issues and possible solutions
- General experience exchange between industry and research
- Obtain feedback of industry and practitioner needs to initiate development of IEA Task 50

AGENDA

9:00–9:15 Welcome and coffee

Advanced Lighting Solutions for Retrofitting Buildings: Objectives of IEA Task 50, Jan de Boer, FhG-IBP, Germany

New daylighting solutions for old buildings:
Renovation of the Friedrich-Fröbel-School in Olbersdorf
Roman A. Jakobiak, Architect, dayligthing.de, Berlin

A baseline LED lighting retrofit: measurements and user experiences from Horsens Town Hall, Denmark
Werner Osterhaus, Aarhus University, Denmark

Dynamic solar shading for better visual comfort and daylight utilization, Anders Hall, ES-SO + Somfy Sweden

10:30-10:45 Coffee break

Possible financial models to justify lighting retrofits: where are the benefits? Possible opportunities with SSL technology
Marc Fontoynont, Danish Build. Research Inst. (SBI), Denmark

How to approach the comparison of highly differentiated retrofit solutions on an equal basis? Martine Knoop, TU-Berlin, Germany

EnPROVE – Workflow and Tooling for Professional Lighting Retrofits, Peter Fuhrmann, Lighting Control Systems Group, Philips Research

From research tools and instruments to lighting retrofit practice
Jérôme Kämpf, EPFL, Switzerland

Lighting retrofits: yes! but what about the users?
Thorbjörn Laike, Div. of Environmental Psychology, Lund University, Sweden

12:20-13:30 Discussion and lunch

REGISTRATION

IEA-SHC Task 50

"Advanced Lighting Solutions for Retrofitting Buildings"

1st Industry Workshop

Title / Name:
Organization:
Address for invoice (company address):
VAT number:
Tel:
Email:
Signature:
Please specify allergies or other special eating requirements:

Please return this sheet preferably by email to marie-claude.dubois@ebd.lth.se at the latest on 15 February 2013