

IEA-SHC Task 50

“Advanced Lighting Solutions for Retrofitting Buildings”



6th Industry Workshop

28 September 2015

FINATEC – Universidade de Brasília
Campus Universitário Darcy Ribeiro, Asa Norte
Brasília, Brazil

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

Workshop – Topic

Retrofitting of lighting solutions in non-residential buildings

Date

Monday, 28 September 2015, 8.30-13:30 (lunch 12:45-13:30)

Location

FINATEC - Campus Universitário Darcy Ribeiro, Av. L3 Norte, Ed. Finatec – Asa Norte, Brasília – DF, Brazil

Registration

Participation fee: 20 € (70 reais), 10 € (35 reais) for students including lunch and coffee (no extra fee for Task 50 meeting participants)

Mandatory Registration

The registration is open until 18 September 2015

Limitation of participants: 80

Cancellation policy: Fees will be returned to the participant if cancellation is made before 18 September 2015. For later cancellations, the full fees will be charged to the participant.

Information

Additional information on Task 50 and the workshop can be found under:

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

The access route to FINATEC can be found here:

<http://www.finatec.org.br/site/en/aboutus/>

Organization

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Supported by Fundação de Apoio à Pesquisa do Distrito Federal (FAP-DF)

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“Advanced Lighting Solutions for Retrofitting Buildings” 5th Industry Workshop

IEA SHC Task 50



Faculty of Architecture and Urbanistics, University of Brasília
FAU/UnB
Campus Universitário Darcy Ribeiro, ICC Ala Norte, Asa Norte,
70.910-900 Brasília – DF - Brazil

IEA SHC Task 50

Lighting accounts for approx. 19% (~3000 TWh) of the global electric energy consumption. Without essential changes in policies, markets and practical implementations it is expected to continuously grow despite significant and rapid technical improvements like solid-state lighting, new façade and light management techniques.

With a small volume of new buildings, major lighting energy savings can only be realized by retrofitting the existing building stock. Many countries face the same situation: About 75 % of the lighting installations are considered to be out of date (older than 25 years). Compared to existing installations, the majority of new solutions allow a significant increase in efficiency – easily by a factor of three or more – going along with highly interesting payback times. However, lighting refurbishments are still lagging behind compared to what is economically and technically possible and feasible.

Task 50 targets building owners (investors), authorities, industry and consultants by providing strategic, technical and economic information and by supporting stakeholders overcome barriers in retrofitting lighting installations. The overall objective of this Task is thus to accelerate retrofitting of daylighting and electric lighting solutions in the non-domestic sector using cost-effective, best practice approaches, which can be used on a wide range of typical existing buildings.

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.

Objectives of the workshop

- Task experts will inform about general lighting retrofit issues and possible solutions
- General experience exchange between industry and research
- Obtain feedback from industry and learn about practitioners' needs, for successful continuation of the work within IEA SHC Task 50

Agenda

8:30-8:40	Welcome and coffee
8:40-8:50	Advanced lighting solutions for retrofitting buildings: Introducing IEA SHC Task 50 <i>Jan de Boer, Fraunhofer IBP, Germany</i>
8:50-9:10	Energy saving politics for lighting retrofits in Brazil (<i>Ministry of Energy</i>)
9:10-9:30	Subtask A: Market and Policies - Highlights and results <i>Marc Fontoynt, Danish Building Research Institute (SBI), Denmark</i>
9:30-9:50	Glazing in renovated buildings in Brazil <i>CEBRACE</i>
9:50-10:10	Subtask B: Daylighting and Electric Lighting Solutions - Highlights and results <i>Martine Knoop, Technische Universität Berlin; Germany</i>
10:10-10:25	Coffee break
10:25-10:45	Experience from renovation and new efficient projects in Brazil <i>Roberta Vieira, UFMG</i>
10:45-11:05	Subtask C: Methods and Tools - Highlights and results <i>Jérôme Kaempf, kaemco LLC, Switzerland and Bernard Paule, Estia SA, Switzerland</i>
11:05-11:25	Retrofitting artificial lighting systems in non residential buildings <i>Plinio Godoy, GODOY Luminotecnica</i>
11:25-11:45	Subtask D: Case Studies - Highlights and results <i>Marie-Claude Dubois, Lund University, Sweden</i> <i>Roman Jakobiak, Daylighting.de, Germany</i>
11:45-12:05	Artificial lighting retrofit in Brazil <i>PHILIPS</i>
12:05-12:25	IEA Task 50 Lighting Retrofit Adviser <i>Simon, Wössner, Fraunhofer IBP, Germany</i>
12:45-13:30	Lunch

Registration

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6th Industry Workshop

Title / Name:
Organization:
Address for invoice (company address):
UID Nr. (VAT ID):
Tel:
Email:
Signature:
Please specify allergies or other special eating requirements if any (vegetarian, vegan, etc.):

Please return this sheet at the latest on 18 September 2015 preferably **by Email** to marcia_boc_birck@hotmail.com with cc clamorim@unb.br and julia@fernandescapanema.com.br