
IEA SHC Task 61 / EBC Annex 77

“Integrated Solutions for daylighting and electric lighting”



1st Industry Workshop

28 February 2018
09.00 – 13.30

Pufendorf Institute – Lund University
Biskopsgatan 3
Lund, Sweden

<http://task61.iea-shc.org/>

Workshop – Topic

Integrated Solutions for daylighting and electric lighting

Date

Wednesday, 28 February 2018, 9.00-13:30 (lunch included)

Location

Auditorium of Pufendorf Institute for Advanced Studies, Lund University - Biskopsgatan 3, 223 62 Lund, Sweden

Registration

Participation fee: 1400 SEK + VAT including lunch and coffee (no extra fee for Task 61 / Annex 77 meeting participants)

Mandatory Registration

The registration is open until 18 February 2018

Limitation of participants: 40

Cancellation policy: Fees will be returned to the participant if cancellation is made before 18 February 2018. For later cancellations, the full fees will be charged to the participant.

Information

Additional information on Task 61 / Annex 77 can be found under:

<http://task61.iea-shc.org/>

More about the Pufendorf IAS <https://www.pi.lu.se/en/>

Organization

Niko Gentile and Thorbjörn Laike
niko.gentile@ebd.lth.se

Department of Architecture and Built Environment
Faculty of Engineering, Lund University

With the support of the Swedish Energy Agency

Return Address

Niko Gentile

by Email: niko.gentile@ebd.lth.se



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Department of Architecture and Built Environment

Lund University

Sweden



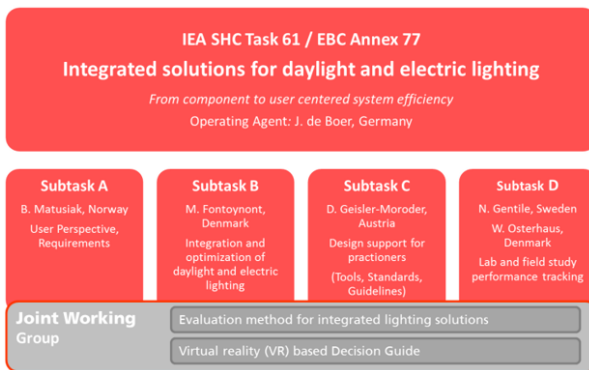
IEA SHC Task 61 / EBC Annex 77

The new IEA Task 61 Annex 77 will focus on the identification of the potentialities of strategies combining daylighting and appropriate lighting control systems to lead both

- to very high energy-efficient lighting schemes, and
- to solutions offering the best lighting conditions for human being.

This program will bring together, during 3,5 years, 30-40 international experts and companies, involved in dynamic daylighting and lighting and their controls.

Useful knowledge and results from research will be gathered, concerning the perception of users concerning lighting quality, human interfaces and control strategies. We will propose models of lighting controls integrating user behavior and expectations. We will identify best possible approach of control solutions for lighting and daylighting (movable components of windows), with wireless and wired controls, open loop and closed loop, IoT, etc.). We will conduct onsite and laboratory monitoring of innovative solutions and publish results to document benefits. Part of the work will lead to deliverables to be forwarded as standardization proposals, in relation to CEN and ISO.



Objectives of the workshop

- Task experts will inform about the new project and planned deliverables
- Industry speakers, task experts and workshop participants will actively exchange their experience
- Obtain feedback from industry and learn about practitioners' needs, for successful continuation of the work within IEA SHC Task 61 Annex 77

Agenda

- 9:00-9:15 Welcome and coffee
- 9:15-9:30 **Integrated Solutions for daylighting and electric lighting: Introducing IEA Task 66 Annex 77**
Jan de Boer, Fraunhofer IBP, Germany
- 9:30-9:40 **Subtask A: User perspective and requirements**
Barbara Matusiak, NTNU, Norway
- 9:40-9:50 **Subtask B: Integration and optimization of daylight and electric lighting**
Marc Fontoynt, Aalborg University, Denmark
- 9:50-10:00 **Subtask C: Design support for practitioners (Tools, Standards, Guidelines)**
David Geisler-Moroder, Bartenbach, Austria
- 10:00-10:10 **Subtask D: Lab and field study performance tracking**
Werner Osterhaus, Aarhus University, Denmark
- 10:10-10:30 Q&A and coffee break
- 10:30-10:50 **From theory to practice. An insight into the current building practice of Scandinavia.**
Jim Collin, ÅF Lighting, Sweden
- 10:50-11:10 **Tuning the solar shading control strategy to minimize solar gains and maximize views and daylight; a case study**
Harris Poirazis, Inform Design, Sweden
- 11:10-11:30 Q&A and coffee break
- 11:30-11:50 **Practical example of daylight and electric light in a building with transparent solar cells: energy and visual aspects**
Johan Rökländer, SWECO, Sweden
- 11:50-12:10 **The potential effect of building users on energy savings**
Pimkamol Maleetipwan Mattsson, Lund University, Sweden
- 12:10-12:30 **The practice for integrated daylight and electric lighting in China**
Luo Tao, China Academy of Building Research, China
- 12:30-13:30 Panel discussion and lunch

Registration

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Online registration by clicking [HERE](#)

or

return this sheet at the latest on 18 February 2018 by email to niko.gentile@ebd.lth.se

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