



International Commission on Illumination  
Commission Internationale de l'Éclairage  
Internationale Beleuchtungskommission



DANISH BUILDING RESEARCH INSTITUTE  
AALBORG UNIVERSITY COPENHAGEN

## CIE Expert Workshop on Research Methods for Human Factors in Lighting 12-14 August 2018 Aalborg University Copenhagen, Denmark

### PROGRAMME

#### Sunday 12 August 2018

*VILLUM Window Collection, Maskinvej 4, 2860 Søborg, Denmark*

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17.00 Welcome reception hosted by VELUX AIS

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#### Monday 13 August 2018

*The Conference Hall, Aalborg University Copenhagen (AAU CPH)*

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8.30 Registration and coffee

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##### Session 1: Planning

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9.00 Critical Analysis of a Research Paper

*Dr. Bob Davis, Pacific Northwest National Laboratory*

9.30 The Role of Theory in Lighting Research

*Professor Yvonne de Kort, Technische Universiteit Eindhoven*

10.00 Ethical Considerations for Applied Lighting Research

*Dr. Jennifer Veitch, National Research Council of Canada*

10.30 Workshop

12.30 Lunch

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##### Session 2: What and how to measure

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13.30 Choosing and Defining Variables for Lighting Experiments

*Professor Kevin Houser, Pennsylvania State University*

14.00 How to Measure the Visual Stimulus

*Professor Myriam Aries, Jönköping University*

14.30 Methods for Assessing Daylighting Performance Metrics in Real Building Case Studies

*Professor Werner Osterhaus, Aarhus University*

15.00 Quantifying Photobiological and Photochemical Effects

*Dr. Peter Blattner, University of Neuchâtel*

15.30 Coffee

16.00 Workshop

17.30 End of today's programme

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*Programme for 14 August on the next page*



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STATENS BYGGEFORSKNINGSINSTITUT  
AALBORG UNIVERSITET KØBENHAVN

## Tuesday 14 August 2018

*The Conference Hall, Aalborg University Copenhagen (AAU CPH)*

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8.30	Registration and coffee
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Session 3: Measuring perception and performance in the lab and field studies	
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9.00	<b>Drawing Causal Inferences in Applied Lighting Research: Threats to Validity</b> <i>Dr. Jennifer Veitch, National Research Council of Canada</i>
9.30	<b>Miss-use of Category Rating Scales (continuing TC 1.80)</b> <i>Professor Steve Fotios, University of Sheffield</i>
10.00	<b>Good Statistical Practices in Human Factors Lighting Research</b> <i>Dr. Jim Uttley, The University of Sheffield</i>
10.30	Workshop
12.30	Lunch
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Session 4: Post experiment	
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13.30	<b>What to Report? Details of Experimental Apparatus and Procedure to Enable Repetition</b> <i>Dr. Martine Knoop, Technische Universität Berlin</i>
14.00	<b>How to Write a Good Paper</b> <i>Professor Emeritus Peter Boyce, Rensselaer Polytechnic Institute</i>
14.30	Workshop
15.30	Coffee
16.00	Plenary discussion
17.30	End of today's programme

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\* Titles can be subject for change