

# Università degli Studi della Campania "Luigi Vanvitelli"

Dipartimento di Architettura e Disegno Industriale

Dottorato Industriale in Tecnologie per Ambienti di Vita Resilienti Dottorato di Ricerca in Architettura e Beni Culturali

Dottorato di Ricerca in Architettura, Disegno Industriale e Beni Culturali Dottorato di Ricerca di Interesse Nazionale in Design per il Made in Italy: Identità, Innovazione e Sostenibilità

Monumental complex of Belvedere of San Leucio | Teams Platform code: 30ncvkl | 17.04.2023 at 09.00

# LIGHTEN 2023 IEA SHC TASK 70 Industry Workshop Low Carbon, High Comfort Integrated Lighting

The event's scope is on the application of low-carbon lighting systems and their integration into indoor comfortable environments with special emphasis on the interface of the day- and electric lighting. Contributions from IEA Task 70 research activities will complement the experiences of lighting designers and industry stakeholders (façade, electric lighting, software companies) in addressing lighting technology and design strategies within the context of progressing lighting digitalization and referring to visual and non-visual user needs

Welcome 09:00 - 09:20

## GIOVANNI FRANCESCO NICOLETTI

Rector of University of Campania "Luigi Vanvitelli"

#### CARLO MARINO Mayor of Caserta

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## LUIGI MAFFEI Vice Rector for the Innovation Technology

ORNELLA ZERLENGA Head of the Department of Architecture and Industrial Design

#### SERGIO SIBILIO

"Energy Efficiency & Environment
- E3" research group, Department
of Architecture and Industrial
Design

# Program

09:20 - 09:40 JAN DE BOER Fraunhofer IBP, Germany Low Carbon, High Comfort Integrated Lightin Introducing IEA Task 70 09:40 - 09:55 VICTOR FERREIRA IREC, Spain

Subtask A: Low Carbon Lighting and Passive Solar: Scenarios, Strategies, Roadmaps

## 09:55 - 10:10 BARBARA MATUSIAK /JAN WIENOLD

NTNU, Norway/ EPFL, Switzerland Subtask B: Visual and non-visual User Requirements

10:10 - 10:25 DAVID GEISLER
MORODER/ ELEANOR LEE
Bartenbach, Austria/ LBNL, Berkeley
Subtask C: Digitized lighting solutions
(Technology & Design Tools / Process)

10:25 - 10:40 NIKO GENTILE Lund University, Sweden Subtask D: Application and Case Studies

10:40 - 11:00 Q&A and Coffee Break

11:00 - 11:20 LAURA BLASO
ENEA, Italy
LENICALC Software and Guidelines for the evaluation of the LENI

## 11:20 - 11:40 ANTONIO LEVANTESI /LAURA CINQUARLA

iGuzzini, Italy Criteria for sustainable lighting, in favour of environmental and social well-being

## 11:40 - 12:00 FILIPPO CANNATA Cannata&Partners, Italy Re-thinking Lighting Design in a Sustainable

## 12:00 - 12:20 MIMMO IALEGGIO Geolumen, Italy

What can a lamp do besides lighting? Lighting as an infrastructure for the provision of services

## 12:20 - 12:40 LUCA PAPAIZ Pellini S.p.A., Italy

Live raytracing actuators and light redirecting materials for solar shading devices









