In the field of architecture a conscious daylighting design is an important strategy to build "sustainable" buildings, where the goal of reducing energy consumption is associated to the one of achieving a high environmental quality.

Currently only a small fraction of daylighting possibilities is being captured in buildings and the use of innovative technologies often implies difficulties as far as the building integration and the users' interaction are concerned.

The Symposium will provide an opportunity to discuss the relationship: "architecture – daylighting, today" with particular attention to:

- design requirements
- design tools
- contribution of research to design process

The event is being held to coincide with the semestral Meetings of:

- PRIN (Italian National Research Programme) “Integration of daylighting and electric lighting systems for visual comfort and energy savings"

A discussion about Daylighting in Architecture, involving architects, industries and researchers will close the event.

DIFFERENT RESEARCH CENTRES ARE INVOLVED:

- Helsinki University of Technology - FINLAND
- Lund University - SWEDEN
- Université Catholique de Louvain - BELGIUM
- Technical University of Berlin - GERMANY
- École Polytechnique Fédérale de Lausanne - SWITZERLAND
- National Research Council, Indoor Environment Research Program - CANADA
- Lawrence Berkeley National Laboratory - USA
- Politecnico di Torino - ITALY
- Università degli Studi IUAV di Venezia - ITALY
- Università degli Studi della Calabria - ITALY
- Università degli Studi di Palermo - ITALY
- Università degli Studi di Napoli "Federico II" - ITALY
- Università degli Studi di Roma "La Sapienza" - ITALY
- Università Politecnica delle Marche - ITALY

APPLICATION FORM

E-mail: cersil@polito.it
Fax: +39 011 5644463

FAMILY NAME

FIRST NAME

ORGANISATION

ADDRESS

TEL No

FAX No

Email

The admission at the Symposium is free and limited to 100 participants.
Preliminary Programme

9:00
9:30 – 13:00 RESEARCH SESSION - Chairman N. Morel
The Italian National Research Programme “Integration of daylighting and electric lighting systems for visual comfort and energy savings”
IEA ANNEX 45 “Energy efficient electric lighting for buildings”
Measurements of natural outdoor illuminance and comparisons with calculations models
Illuminance assessment at the ground and determination of the turbidity factor
Daylight availability in atrium buildings
Application of videophotometer for the evaluation of DGI in scholastic environment
Discussion

11:15 – 11:30 COFFEE BREAK
Discussion

13:00 – 14:00 RESEARCH SESSION - Chairman C. Aghemo
Validation of a Radiance based computer procedure for a quicker prediction of time varying illuminance in complex spaces
A tool for the assessment of the indoor visual environment in office spaces
National Research Council Canada (NRC) Research Activities
Discussion

14:00 – 15:15 RESEARCH SESSION - Chairman C. Aghemo
New Research Laboratories at Lund University (SWEDEN)
ECCO-Build European Research project
An Adaptive Lighting System
Lawrence Berkeley Laboratory (LBL) Research Activities
Discussion

15:15 – 15:30 COFFEE BREAK
Discussion

15:30 – 17:30 DESIGN SESSION - Chairman M. Filippi
IEA Task 31 Design Roadmap
AIDI (Associazione Italiana di Illuminazione) Daylighting design guide
Daylighting in architecture I
Daylighting in architecture II
Daylighting in architecture III
Shading devices control systems: trends of European market
Discussion

Notes:
The official language will be English

Graphics:
C. Micono