

CISBAT VISITS 8.9.17

Meeting point : In front of SG Building

Information and luggage deposit: SG Level 0 (SG0213) 8h30-13h30

	Group A	Group B	Group C	Group D
09h00-10h30	1 Solar Nanotech Lab & Urban Microclimate	2 Daylighting & Smart Building	3 Iconic Buildings Tour	4 Building Integrated PV – Urban Hub
11h00-12h30	3 Iconic Buildings Tour	4 Building Integrated PV – Urban Hub	2 Daylighting & Smart Buildings	1 Solar Nanotech Lab & Urban Microclimate

1 Solar Nanotech Lab & Urban Microclimate

- a - LESO-PB Nanolab
O. Bouvard, A. Krammer, J. Gong, A. Schueler
- b – Urban Microclimate
D. Mauree



2 Daylighting & Smart Building Control

- a - LESO-PB
A. Motamed, Y. Wu
- b - LIPID
J. Wienold



3 Iconic Buildings Tour

S. Cocco, P. Florio



4 Building Integrated PV - Urban Hub

P. Vollichard and team



12h30-13h30

Farewell Snacks & Drinks: in SG Hall Level 0

1 Solar Nanotech Laboratory & Urban Microclimate Research



Due to their fascinating optical and electronic properties, nanometer-scaled structures play an important role in solar energy conversion. The LESO-PB research group "Nanotechnology for Solar Energy Conversion" develops novel nanostructured materials for solar energy applications. Visitors will be shown the activities of its high tech lab. Afterwards, they will be introduced to urban microclimate monitoring equipment used to assess the impact of urban areas on building energy use, air pollutant dispersion and renewable energy potential.

2 Daylighting & Smart Building Ctrl

a - LESO-PB

b - LIPID



Daylighting research is conducted at EPFL both in the Solar Energy and Building Physics Lab (LESO-PB) and in the Interdisciplinary Laboratory of Performance-Integrated Design (LIPID). This visit will address a wide range of daylighting design related aspects, from anidolic daylighting systems to smart building control systems including the effect of daylight on human comfort and health.

3 Iconic Buildings Tour



In the last few years, some spectacular buildings have seen the light on the EPFL campus. The brand new Artlab and the undulating Rolex Learning Center, both designed by Japanese architects, the landmark Swiss Tech Convention Center and other eye catching buildings have not only been built to please but also to reflect a vision of dynamic learning and research. Discover the jewels of the campus as well as an energy efficiency vision for its future development.

4 Building Integrated PV & Urban Hub



The EPFL campus features an ever expanding solar park on its roofs and façades, including both commercial products and highly innovative technology. With a peak power of 2 MW, it covers a surface of more than 20,000 m². The guided tour will include a visit on the roofs of the campus, the World's first façade with dye sensitized solar cells and the EPFL's own urban hub. Visitors will also learn about recent efforts undertaken to improve the sustainability of the EPFL campus.