

for further information

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Free admission, pre-registration required.

Please, visit www.pv-landscapes.com

0609
2011

PHOTOVOLTAICS FORMS LANDSCAPES

Photovoltaic technology
and policies



Parallel event conception
and programme



Parallel event organisation
and promotion

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Media partner

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In the framework of



26th
European Photovoltaic
Solar Energy
Conference and Exhibition

Organised by



a parallel event

26th EUPVSEC

Hamburg CCH Congress Center

Germany

06 September 2011

14h00 - 18h30

PHOTOVOLTAICS | FORMS | LANDSCAPES

How to use Photovoltaics for shaping performative landscapes.

The deployment of photovoltaics continues to increase rapidly, with the total power installed doubling every year. Today most of these installations are on roofs, and this will slow the rate of cost reduction since even if module prices decrease substantially, installation costs are almost constant.

Achieving the needed large scale integration of photovoltaics into our energy system will therefore require large-scale deployment beyond the building scale. Large scale “open-field” installations, in the multi-MW size (at least one square kilometre of photovoltaic modules), will become part of our landscapes.

This represents a new kind of “productive” land-use, which is currently not encouraged and even discouraged in some cases. In fact, today, photovoltaic systems are just “added” on the landscape, using land suitable for other traditional societal uses (agriculture being the obvious example), and this way to use photovoltaics in the landscape is not accepted by the public.

How to make in the future photovoltaic large open-field installations acceptable or even desirable, also in comparison with other traditional land uses? What if these installations are seen as a new form of “integration”? What if we think of photovoltaic systems as elements of a new “performative landscape”?

This approach leads to the challenge: «How to design a thousand of square kilometres of photovoltaics?» If we want to avoid that such systems are just “put” on the ground and risk of rejection by the public, we have to re-think how to do open-field deployment in the 50 to 100MW scale. In fact, these installations will have to be designed as an integral part of a “performative landscape”, requiring a truly multidisciplinary approach.

The event will highlight the interaction of photovoltaic systems with buildings and landscapes, by showing how architects take up this challenge.

Four keynote presentations on the transition from photovoltaic architecture into urban and non-urban landscapes will be followed by a round table discussion.

PRESENTATION

Heinz Ossenbrink

Chairman of the 26th European PV Solar Energy Conference and Exhibition
European Commission JRC | The Netherlands & Italy

INTRODUCTION

Alessandra Scognamiglio

Scientific organiser of the event | ENEA | Italy

WITH

Mason White

Director | University of Toronto Daniels Faculty of Architecture,
Landscape and Design | Partner | Lateral Office, Toronto | Canada

NEW ENERGIES, NEW ARCHITECTURE. DESIGN AND THE ENERGY REVOLUTION

David Nelson

Senior Partner joint Head of Design | Foster+Partners, London | UK
CITY MASTERPLANS AND SOLAR ENERGY

Walter Hood

Director | Hood Design, Oakland | Professor | College of Environmental
Design, University of California, Berkeley | USA

PHOTOVOLTAICS AND FORMS OF LANDSCAPE. “STRANDS AND PATCHES”: UB SOLAR ARRAY

Simone Giostra

President Simone Giostra & Partners, New York | Associate Professor
PRATT Institute, School of Architecture, New York | USA

LANDSCAPE INTEGRATED PHOTOVOLTAICS

ROUND TABLE

moderator

Joseph Grima

Editor | Domus | Italy