

DESIGNING AN ECO-CITY UNDER THE SUN:

A Primer on Building-Integrated Photovoltaics Architecture

Singapore is a small city-state without natural resources such as oil or natural gas. Fortunately, we are blessed with plenty of sunshine throughout the year. Designing a building to harness this renewable solar energy helps to reduce the use of fossil fuels and improve the building's environmental performance.

Building-integrated photovoltaics (BIPV) is a technology that enables a building façade to generate electricity directly from solar energy during the day. The BIPV panels form an integral part of the façade material, providing the dual function of protecting the building while producing electricity. This can lead to innovative designs and value creation for architects, developers and building owners.

Objective

The **National Environment Agency** is organizing this one-day primer comprising a BIPV seminar and site visits to showcase BIPV technology and installations to encourage greater use of BIPV for buildings and infrastructure developments.

Who Should Attend

Architects, CEOs, Business Leaders and Material Suppliers

Course Methodology

Half-day seminar and half-day site visits (1 day programme)

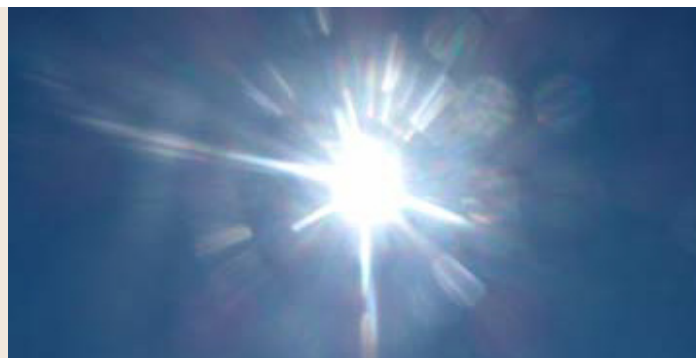
What You Will Learn

Participants will learn about BIPV technologies and BIPV architecture. In addition, they will get to visit examples of BIPV installations at a private development and a commercial development.

Course Details

Course Date : 28 November 2006 (Tuesday)
Fee : **\$168 (GST inclusive). Lunch will be provided.**
Duration : 9.00am – 5.30pm. Registration starts at 8.45am.
Venue : Theatre, 4th Level,
Environment Building
40 Scotts Road, Singapore 228231
BOA-SIA CPD : 3 CPD Points

For enquiries, please contact **67319208** or
email nea_seimarketing@nea.gov.sg



About the Speakers

Dr Stephen Wittkopf K

Assistant Professor, National University of Singapore

Dr Wittkopf's research and teaching focus is Solar Architecture, Daylight and Computational Simulation. He joined National University of Singapore in 2001 as Assistant Professor in the Department of Architecture after graduating from leading technical universities in Germany and Switzerland. With NUS he has led the study on the potential of Building Integrated Photovoltaic (BIPV) for public housing in Singapore. His subsequent research is towards designing Low Energy Responsive Facades by integrating photovoltaic and daylight re-directing devices. Dr Wittkopf is an invited Member of the Ministry of the Environment and Water Resources Air and Climate Change Focus Group for the Review of the Singapore Green Plan 2012.

Mr Christophe Inglin

Mr. Christophe Inglin chairs the Renewable Energy Committee of SEAS (Sustainable Energy Association of Singapore), a newly-formed industry association to promote renewable energy in Singapore and the region. Christophe has 10 years of experience in the photovoltaics industry as Managing Director of Shell Solar Pte Ltd (formerly Siemens Solar), where he was responsible for the Asia Pacific markets. His previous experience includes 3 years as a Management Consultant and 6 years in semiconductors, working in the Siemens Group in Munich, California and Zurich. Christophe has a BSc in Electronic & Electrical Engineering from the University of Surrey in the UK, and an MBA from INSEAD in France.

Register online at www.nea.gov.sg/sei today!

For the latest updates on course schedules and details, please visit our website at www.nea.gov.sg/sei or email to nea_seimarketing@nea.gov.sg.

Information accurate as at 19 October 2006. While all efforts are taken to ensure that classes are run as scheduled, SEI reserves the right to cancel and/or change the training dates, time, venue, trainer(s), course contents and course fees due to unforeseen circumstances without prior notification.

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