



Zuyd
Research

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International BIPV WORKSHOP

Sponsor: AGC, Kaneka, LIXIL, Solar Design Consortium, Canadian Solar

February 5th 2018

12:45 -17:30, Tokyo Tech, Tokyo Japan

Introduction

A Low carbon society is a common target all over the world and realizing zero energy building (ZEB) is a key technology to reach this target, since buildings consume 30-40% of our total final energy consumption. A major component in common ZEB is the application of photovoltaics, Building Integrated (BIPV) or Building Attached (BAPV). Photovoltaic power generation has increased rapidly on a global scale and in a variety of applications including ground, roof-top, façade and so on. Although large amounts of PV electricity can contribute to the mitigation of carbon emission, grid capacity influences further deployment of PV or requires curtailment. Self-consumption is a good approach to avoid grid limitations, and a proximity between demand and generation could enhance an efficiency of energy utilization.


BIPV has attracted attention from both electric (PV) companies and construction companies since a long time. BAPV has established markets in Japan, EU and US, since the standard size modules are applicable. Nevertheless, BIPV products are basically custom made and need to meet two different requirements as electronic products and as construction products. Meeting these different requirements has been forming a market barrier for a long time. In this workshop, knowledge, experience, current status and outlook on BIPV will be presented by global experts in BIPV, aiming at development of BIPV markets and industries.



Agenda

- 12:45 Opening / Welcome
- 13:00 BIPV experience of Kaneka - Akihiko Nakajima (Kaneka)
- 13:25 Nihon Sekkei design buildings with BIPV - Atsushi Miyazaki(Nihon sekkei)
- 13:50 BIPV application and experience of AGC - Masayuki Hayashi(AGC)
- 14:25 BIPV test SHGC, Fire test - Hisashi Ishii (LIXIL)
- 14:50 Break
- 15:10 Film for white module - Gregory Bugnon (Solaxess)
- 15:35 20 years of Inspiring BIPV architecture - Tjerk Reijenga (BEAR iD)
- 16:00 BIPV research and demonstration at SUPSI and Switzerland - Francesco Frontini(SUPSI)
- 16:25 Introduction of CSTB BIPV related activities - Simon Boddaert (CSTB)
- 16:50 CSEM Challenging activities on BIPV - Laure-Emmanuelle Perret-Aebi (CSEM)
- 17:15 Closing - Michel Ritzen (Zuyd University of Applied Sciences)



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| Date & Time | February 5 th 12:45 -17:30 (Workshop), 17:30 - banquet |
| Venue | Royal Blue Tokyo Techno front / Tokyo Institute of Technology 2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550 Japan  |
| Capacity | 90 |
| | https://docs.google.com/forms/d/1PrICDrUlltLYewjSReZ5R-v3ryAA7xl4RNB1WPeDNs/edit?usp=sharing |
| Fee | Workshop : Free |
| | Banquet ¥5,000.- (Sponsor, Speaker, IEA Task 15 Member, BIPV Standards committee Member are INVITED) |

Latest example BIPV in Japan



White Module

