

**ΕΤΕΚ**

ΕΠΙΣΤΗΜΟΝΙΚΟ ΤΕΧΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΚΥΠΡΟΥ

Embassy of the Kingdom
of the Netherlands

Technical Lecture

New technologies and applications on Building Integrated Photovoltaic Systems (BiPVs)

Friday 2nd November 2018 at 17.00

Educational Centre ETEK, Old Town Nicosia

New technologies and applications on Building Integrated Photovoltaic Systems (BiPVs)

Building-integrated photovoltaics (BIPV) are photovoltaic materials that are used to replace conventional building materials in parts of the building envelope such as the roof, skylights, or facades. They are increasingly being incorporated into the construction of new buildings as a principal or ancillary source of electrical power, although existing buildings may be retrofitted with similar technology. The advantage of integrated photovoltaics is that the initial cost can be offset by reducing the amount spent on building materials and labor that would normally be used to construct the part of the building that the BIPV modules replace. Moreover they often create aesthetical improvement opportunities. These advantages make BIPV one of the fastest growing segments of the photovoltaic industry. In particular in Cyprus the nearly zero energy building requirements, the high rise buildings and the contemporary architectural approach create favourable conditions towards the further penetration of Building Integrated Photovoltaic Systems. The lecture will present the new technologies and applications on Integrated Photovoltaic Systems on buildings and other innovative solutions (ie PVs on water, on sound barriers etc) .

Program

17:00 Welcome note**17:05** Lecture: New technologies and applications on Building Integrated Photovoltaic Systems (BiPVs) (in English)**18.00** Discussion**18:15** Closure / Conclusions

Reception will follow



Lecturer: Zeger Vroon (1967) studied at University of Utrecht, In 1995 he finished his Ph.D at the University of Twente on the preparation and transport properties of zeolite MFI membranes. Since 1995 he works at TNO on inorganic and hybrid coatings for solar and energy. In 2010 he became lector at Zuyd University on Sustainable Energy in the Built Environment. He joined the Brightlands Materials Center in 2015. He was active in the EU projects Envision, Co-Pilot, Smart Windows and CATO as senior scientist and WP-leader.

On Line Registration (before 29.10.2018) :<https://goo.gl/forms/V5wuLTDJFKQt01bq2>