

BFIRST Workshop

April 27th -2017 10:00-13:00 (CEST)

*** on line by CHEETAH webinar platform**

FP7-BFIRST is a project funded by the European Commission with the aim of developing and demonstrating a set of standardised, multifunctional photovoltaic building components based on a recently developed technology for solar cells encapsulation within glass fibre-reinforced composite materials. It is our pleasure to invite you and your colleagues and students to attend the next BFIRST workshop organized by CRES, and hosted by ENEA via [CHEETAH Webinar Platform](#), which summarizes and disseminates the main achievements of the project. You can register to participate to this event by using the link below.

Register now [I would participate](#)

Dead line for the registration to participate **April 26th 2017 14:00**

*If the link doesn't work, copy/paste URL below :

<https://connect.portici.enea.it/bfirst2017onlineworkshop/event/registration.html>

About this workshop:

Building-integrated photovoltaics (BIPV) is currently a growing market worldwide, with an estimated compound annual growth rate (CAGR) of 18.7% and a total of 5.4 GW installed between 2013 and 2019 (Transparency Market Research, 2014). One of the main drivers for BIPV market growth in the EU is the increasingly demanding legislation related to energy performance in buildings, given the fact that buildings are responsible for 40% of energy consumption and 36% of CO2 emissions in the EU. Europe has therefore an urgent need to make its building stock more energy efficient and smarter.

Despite this favourable framework, there are key requirements related to: the flexibility in design and aesthetics considerations, the demonstration of long-term reliability of the technology and compliance with legal regulations and cost effectiveness, which are only partly covered by the available technologies.

EU funded "Building-integrated fibre reinforced solar technology" - BFIRST project (Grant Agreement number 296016) started in May 2012, aimed to contribute to bridging the gap between technological development and market demands,

being oriented at the design, development and demonstration of a portfolio of innovative PV products for building integration, based on c-Si cell encapsulation within fibre-reinforced composite materials. The project will end in April 2017.

This workshop reports the results of developed monolithic and lightweight structures, highly versatile in terms of geometries, shapes, colours and surface finish. Multi-functionality in the building environment has also been addressed through design and materials tailoring. Full architectural integration of the developed products has also been pursued. The compliance with the corresponding IEC test standards and the demonstration of multifunctional performance in real operation conditions has also been the ultimate objectives of the project.

Agenda:

Chair: Dr. George Halambalakis, CRES

1. *BIPV – Dr. Yiannis Tripanagnostopoulos, UoP, 15 min*
2. *The BFirst project – Dr. Eduardo Roman, Tecnalía,*
3. *Product Guidelines – Tjerk Reijenga ,BEAR, 20 min*
4. *BFirst products – José Puig , ATERSA,*
5. *Demo site presentations – E. Mathas, CRES,*
6. *Demo site results – Michele Pellegrino, ENEA,*

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For any further technical information about connection and assistance

How to access?



Technical information?



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