



Efficient, low-cost, stable
tandem organic devices

Project acronym	X10D
Project full title	Efficient, low-cost, stable tandem organic devices
Grant Agreement no.	287818
Call identifier	FP7-ICT-2011-7
Instrument	Collaborative Project - Large scale integrating projects
Start date of project	01.10.2011
Duration	36 months
Coordinator	Dr. Tom Aernouts
Organisation	INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM VZW (imec)
Tel	+32 16 28 16 89
Fax	+32 16 28 10 97
Email	Tom.Aernouts@imec.be
Project Website	http://www.x10d-project.eu

Report on Deliverable D6.6:

Workshop for industrial stakeholders

Dissemination Level

PU

PU = Public
PP = Restricted to other programme participants (including commission)
RE = Restricted to a group specified by the consortium (including commission)
CO = Confidential, only for members of the consortium (including commission)

Nature

O

R = Report
P = Prototype
D = Demonstrator
O = Other

Responsible

Imec

Reviewer

VDI-VDE

Contributing partners

ECN, Solvay, Heliatek, 3DMM, Agfa, SPG, SP, Arkema

Version

1.0

Due date of deliverable

1 April 2014

Actual submission date

22 April 2014



The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 287818 of the X10D project.

Description of deliverable achievement

Executive summary

Members of the X10D-project consortium organised and participated actively in a joint OPV workshop, with the aim to present X10D developments and share views on the market potential of OPV in the thin-film PV market. This interaction on its turn resulted in further updating and refining of the market analysis conducted within the project consortium to help finalize the White Paper foreseen at the end of the project period (Deliverable D5.5).

Achievements

We presented the project to a broader community, including policy as well as industrial stakeholders, by participating in the Industrial Technologies 2014 event. This took place from 9 to 11 April, in Athens, under auspices of the Greek EU Presidency.

X10D participated on several levels in this event.

As project coordinator and leader for this dissemination action, imec had a booth at the exhibition where also organic solar energy was presented with demo-samples, e.g. from project partner Heliatek, and i-pad-presentations. Additionally, flyers of the workshop in which X10D-partners took part were available at this booth, in this way opening up discussion on the project with visitors at the booth.

Secondly, participation in a dedicated organic solar cell workshop at this event was organized. The outline of the workshop is given as annex at the end of this document. As project coordinator, imec co-organized this workshop together with three other projects (ArtESun, Clean4Yield and OREA) and found support from the organizations Forth and Solliance. X10D-project coordinator Dr. T. Aernouts acted as co-chair and had a presentation in the workshop. Two other partners from the X10D-project consortium, Solvay and 3DMM, had also a presentation in the workshop. Additionally, other industrial stakeholders in organic photovoltaics have presented their views and points of interest, like TekNek, Saes Getters and Corning.

With these participants and having the workshop co-organized between different projects ensured that the X10D-project had good exposure in the broader OPV community.

Finally, networking could be done also on several levels. At first in the preparation, interacting with several projects and organizations, and through website announcements on several platforms. Additionally, at the event, with the imec booth and the conference dinner, opportunities were at hand for networking. And of course among the different speakers at the workshop itself, new contacts were made.



The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 287818 of the X10D project.

Highlights

In addition to the presence at the imec-booth, the X10D-project was presented by three presentations at this workshop:

- “Challenges and opportunities for OPV to penetrate the thin-film PV market”, by Dr. T. Aernouts, imec, X10D coordinator
- “BIPV market as an opportunity for OPV”, by Dr. P. Francoisse, Solvay, X10D project partner
- “R2R laser processes for scribing of transparent electrodes for organic electronics”, by C. Scholz, 3DMM, X10D project partner

The first presentation positioned OPV in the thin-film PV market based on the market analysis done so far by ECN and the industrial partners within the X10D-consortium. The second presentation thereby demonstrated such market analysis as done for building integrated photovoltaics (BIPV) and how OPV can take a place in this market. Finally, the third presentation showed how technical progress within the X10D project can bring in general organic electronics further in its market acceptance.

All together with the other presentations and participants in the workshop a broader view on OPV and its market potential was created, which served as further input to the status and market potential overview, described later on in the White Paper to be generated on this within the X10D-consortium (deliverable D5.5).

Conclusions

Successful participation of the X10D-project to the Industrial Technologies 2014 event resulted in active interaction with other players in the OPV area to help streamline further the market analysis and clarifying the position of OPV in the thin-film PV landscape to be described further in the White Paper.



The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 287818 of the X10D project.

Attachments

Outline workshop

Industrial Technologies 2014
SMART GROWTH THROUGH RESEARCH AND INNOVATION

ORGANIC PHOTOVOLTAICS: FROM MATERIALS TO MARKET

GR 2014 EU
A GREEK EU PRESIDENCY EVENT, UNDER THE AUSPICES OF THE
GENERAL SECRETARIAT OF RESEARCH & TECHNOLOGY (GSRT).

FUNDED BY THE
EUROPEAN UNION - FP7

SCHEDULE

11:15	Welcome	
11:20	Challenges and opportunities for OPV to penetrate the thin-film PV market	<i>Tom Aernouts (imec)</i>
11:35	Current progress in organic PV materials and devices	<i>Emmanuel Kymakis (TEI of Crete)</i>
11:45	BIPV market as an opportunity for OPV	<i>Patrick Francois (Solvay)</i>
12:00	Novel dispensable getters: scavenging technologies for thin film electronics	<i>Antonio Bonucci (SAES Getters)</i>



The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 287818 of the X10D project.

SCHEDULE

12:10	Ultra-thin flexible glass for organic electronics	<i>Michel Prassas (Corning)</i>
12:20	R2R laser processes for scribing of transparent electrodes for organic electronics	<i>Christian Scholz (3DMicromac)</i>
12:35	Contamination and defect control for increased yield for large-scale R2R production of OPV and OLED	<i>Michiel Coenen (TNO)</i>
12:45	Contact cleaning for flexible electronics	<i>Sheila Hamilton (TEKNEK)</i>
13:00	The Erasmus LPP Program 'Organic electronics & applications'	<i>Emmanuel Stratakis (FORTH-IESL)</i>

MORE INFO...

Clean4Yield.eu

projects.imec.be/artesun/

x10d-project.eu



This project has received funding from the European Union's Erasmus Lifelong Learning Programme under grant agreement no. 539876-LLP-1-2013



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n°281027



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n°287818



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n°287818



holstcentre.com

solliance.eu

Imec.be

Forth.gr

05/05/2014

4



The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 287818 of the X10D project.