

PV technologies and challenges: a XARMAE perspective

PROGRAM

This one day workshop is co-organised by XARMAE and the INDUCIS European project. The Workshop aims to review the main challenges and activities developed in advanced PV technologies from the different research groups in XARMAE, including relevant Transfer of Knowledge activities between industry and academia developed in the framework of INDUCIS

It will be held on IREC premises in Barcelona on 4th February 2015 from 9:00 to 18:00 hours

9:00-9:15	Introduction: the XaRMAE network
9:10-9:45	INDUCIS: A Transfer of Knowledge experience between Industry and Academia Alejandro Pérez-Rodríguez, IREC & Universitat de Barcelona
9:45-10:15	Future directions in electroplated materials for thin-film solar industry Salvador Jaime, NEXCIS Photovoltaic Technology, Rousset, France
10:15-10:35	Photovoltaic solar cells activities at UPC Ramon Alcobilla MNT-UPC, Universitat Politècnica de Catalunya
10:35-11:00	Coffee break
11:00-11:20	Thin Film Silicon Technologies at the UB Jordi Andreu, Joan Bertomeu, Dept. Física Aplicada i Òptica, Universitat de Barcelona
11:20-11:40	Emerging PV technologies based in kesterites: Activities at IREC on sustainable Photovoltaics Edgardo Saucedo, Marcel Placidi, IREC
11:40-12:00	Scale-up and printing techniques of 3rd Generation PV Cells Pau Bosch-Jimenez; Ana Milena Cruz; Elena Torralba Calleja; David Gutierrez Tauste; Lorenzo Bautista; Mónica Della Pirriera. LEITAT, Terrassa, Barcelona.
12:00-12:30	Inside the Energy Storage in photovoltaic industry(tbc) Javier Sanchez. SAFT. Madrid
12:30-14:30	Lunch

Nanostructuring, reliability and modeling of organic solar cells at the NePhoS-URV group

14:30-14:50 Josep Ferré-Borrull, Lluís F. Marsal, Josep Pallarès, Víctor Balderrama, Caterina Stenta, Peilin Han, José Guadalupe Sánchez, Universitat Rovira i Virgili, Tarragona

Organic materials for electronic devices: design and synthesis, materials processing and device fabrication

14:50-15:10 Marta Mas, ICMAB, Bellaterra. Barcelona

Research Lines on Photovoltaic Energy at ICN2

15:10-15:30 Monica Lira Cantu, ICN2, Bellaterra, Barcelona

15:30-16:00 Coffee break

Structure-performance nexus in organic photovoltaics and thermoelectric generators

16:00-16:20 ICMAB: Mariano Campoy Quiles, Bernhard Dörfling, Ignasi Burgués Ceballos, Laura Córcoles Guija, Alejandro Goñi Imperial College London (UK): Michelle Vezie, Sheridan Few and Jenny Nelson Chalmers University of Technology (Sweden): Christian Müller and Matts Anderson. ICMAB, Bellaterra, Barcelona.

Organic photovoltaic modules made by roll-to-roll in ambient conditions

16:20-16:40 Marco Stella. CETEMMSA, Mataró, Barcelona.

One-dimensional photonic crystals to optimize the performance of organic solar cells

16:40-17:00 Pablo Romero, ICFO, Castelldefels, Barcelona

Estimation of solar PV electricity costs: Present LCOE values and their future evolution considering energy storage.

17:00-17:20 Joan Ramon Morante IREC & Universitat de Barcelona

PV in RIS3CAT instrument: an open discussion

17:20-18:00 Moderator: Joan Ramon Morante IREC & Universitat de Barcelona
