



Solution Processed High Performance Transparent Organic Photovoltaic Cells

New European Project on organic photovoltaics to be coordinated by ICFO.

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Solution Processed High Performance Transparent Organic Photovoltaic Cells (SOLPROCEL) is a new European project which will be coordinated by UPC Professor at ICFO, Jordi Martorell. The inspiration for this project came when COMSA EMTE and ICFO realized the potential of an organic photovoltaic (OPV) based technology for incorporation in transparent modules to generate electricity. However there are still many challenges which must be overcome before OPV technology is ripe for module production.

In SOLPROCEL, companies will be guided by three research institutions which can provide complementary know-how in three of the fundamental aspects of OPV technology:

nano-fabrication, light management, and organic synthesis. The project has quantifiable goals for obtaining the material needed for fully solution-processed high performance transparent OPV cells, in order to dramatically raise the efficiency of such cells.

Organizations participating in this project:

ICFO (Coordinator), SPAIN

Friedrich-Alexander Universitat (FAU), GERMANY

Fraunhofer Institute for Applied Polymer Research (FhG-IAP), GERMANY

Specific Polymers (SP), FRANCE

COMSA EMTE, S.L., SPAIN

Nanograde Ltd, SWITZERLAND

Rent-a-Scientist, GERMANY