Recipients of Solar-Innovation 2010

The Grand Challenge in Photovoltaics.

Tamzin Lafford, Ph.D

Laureate of the CEA-ESRF Award for Photovoltaics.

Tamzin Lafford received her BSc in Physics and her PhD on magnetic layers from the Bath University (UK).
She joined Bede Scientific Instruments Ltd as a senior applications scientist in the X-rays analysis of materials.
In 2009 she was appointed as a beamline scientist at the European Synchrotron Radiation Facility to develop X-ray topography and tomography of alloys and semiconductors nano structures.

"Solar-Innovation" she says, "will give me unique opportunity for making decisive progress in materials characterization in real PV devices under real conditions."

Vincent Renard Ph.D

Laureate of the Junior Award for Photovoltaics

After a Master degree and a Ph.D. in Nano Science at the INSA school of engineering in Toulouse (France), Vincent Renard spent two years at NTT Corporation in Tokyo (Japan) to deepen his understanding of the electronic properties of low dimensional systems. Since his return in France in 2008, he has been involved in the synthesis and physics of semiconductors nanowires and graphene at the Néel Institute in Grenoble (France)

"Thanks to the Solar-Innovation challenge" he says, "I will develop an original research programme on advanced transparent conductive electrodes with a potentially high economic and societal impact."

Nikos Pelekanos, Ph.D

Laureate of the Senior Award for Photovoltaics

Nikos Pelekanos obtained a Masters degree and a Ph.D in Physics from Brown University, Providence (USA). He spent ten years between France and Germany, respectively at CNET labs in Lannion (France), the Max Planck Institut in Stuttgart (Germany) and the CEA-Grenoble (France) in the field of semiconductor nanotechnology, with an emphasis on materials science and optoelectronic properties. In 2001 he was appointed for a Professorship at the University of Crete and the FORTH Institute in Heraklion (Greece).

For him "Solar-Innovation 2010 is the opportunity I was looking for to develop an ambitious solar cell programme with low dimensional semiconductor nano-structures in a world-renowned research environment."