

Luxembourg solar panel research receives 10 million euros in EU funding



Photo: University of Luxembourg / Luc Defforence

(CS) The University of Luxembourg's Laboratory of Photovoltaics is part of a consortium of 14 partners who have received 10 million euros from the European Union to develop technologies for more efficient and cheaper solar cells.

With sustainable and green energy in increasing demand, Europe is substantially investing in alternative energy research.

Investing in solar panel research could put Europe ahead of the curb as an emerging global leader, with solar panels currently still quite expensive to produce.

The University of Luxembourg's Laboratory of Photovoltaics is part of a group of academic partners who have formed the Scalenano research project, aiming to "increase the competitiveness of this technology," as Dr Phillip Hale, Head of the Electrodeposition Group within The Laboratory of Photovoltaics, explained.

The Scalenano team in Luxembourg led by Dr. Dale will use cutting-edge research tools to specifically examine how to improve the process of combining and baking the chemicals to form the required solar cell materials, using a rapid thermal annealing furnace. By reducing the time needed for baking, less energy is required, thus reducing the cost of producing solar cells.

The project has just begun and will run until 2015. "We are excited to get started and are confident we have the tools and the capacity to significantly contribute. We look forward to collaborating well with our research partners," said Dr. Dale, an ATTRACT fellow funded by the Fonds National de la Recherche Luxembourg (FNR).

Bridging academics, research institutes and industry

The consortium brings together partners working together across Europe, including five research institutes:

- Catalonia Institute for Energy Research
- EMPA Swiss Federal Laboratories Materials Science and Technology
- Istituto Italiano di Tecnologia
- Commissariat à l'Énergie Atomique et aux Énergies Alternatives



IN THIS SECTION

Unemployment rates
11.9% in a year

Training in Luxembourg
hits the spot for four out
of five workers

25-year-old driver killed
in A4 motorway accident

Driver seriously injured in
tree collision

Suspected Ducloux
rapist arrested in Nancy

Man maimed with
scissors

1,000 new jobs at Belval
this year

Luxembourg university
plans to offer MGA

Deliberations on
relationship of church
and state continue

Luxembourg troops to
stay in Afghanistan until
2014

Hollandish late licenses
and Sunday shopping on
the table at City
Breakfast

Luxembourg City's
finances in credit for
2011

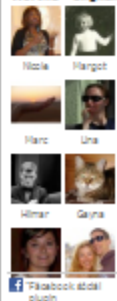
Hagen: Roof destroyed
in house blaze

Driver dead after tragic
E40n accident

Japan's heart/fell: thank
you to the Luxembourg
people



214 people like
Wort.lu - English.



Facebook social
plugin