



# Invitation

## The future of transparent conducting oxides

Interactive workshop

Date: Monday 24<sup>th</sup> June 2013

Time: 09:30 – 17:00

Venue: Hasselt University – Agoralaan building D – B-3590 Diepenbeek

In the framework of the interreg project “Solarflare” from Solliance we are organizing a workshop about the current industry needs and future R&D developments for (thin film) transparent conducting oxides, which are essential components in thin film PV. The goal of the workshop is to bring together researchers and industrial partners active in this field and discuss possibilities for collaboration as well as new applications for TCO's.

### Solliance - Solar research in the ELAT region:

Solliance is the alliance of TNO, TU/e, Holst Centre, ECN, Imec and Forschungszentrum Jülich for research and development in the field of thin film photovoltaic (PV) solar energy in the ELAT-region (Eindhoven-Leuven-Aachen Triangle). Solliance's ambition is to strengthen the position of the region as a world player in thin film PV. Solliance creates synergy among more than 250 researchers with this common goal. Solliance aims to realize this ambition by joint use of state-of-the-art infrastructure, alignment of research programs, and close cooperation with the solar business community. For more information visit: <http://www.solliance.eu>

### The Solliance proposal:

- Use Solliance as a platform to position yourself as a player in the thin film PV industry within the ELAT region
- Be inspired to develop practical ideas for cross border projects and collaborations
- Find the right partners to realize your cooperative plans



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## Program

- 09:30 – 10:00:** Registration and coffee
- 10:00 – 10:20:** Welcome  
Presentation of the Solliance program  
Presentation of the Solarflare program
- 10:20 – 11:20:** Plenary lecture 1: “Beyond ITO: Opportunities and challenges” – dr. Vladimir Kuznetsov – Oxford University
- 11:20 – 12:20:** Plenary lecture 2: “Development of p-type TCO's : Cu oxide based compounds thin films deposited by MOCVD”  
dr. Jean-Luc Deschanvres – LMGP Grenoble
- 12:20 – 13:30:** Lunch
- 13:30 – 14:30:** Plenary lecture 3:” Metal Oxide Thin Films: Processing and Properties” – prof. dr. Ludwig J. Gauckler – ETH Zürich
- 14:30 – 16:30:** Workshop discussion in groups
- Group 1: Towards a TCO roadmap for Flanders and the Netherlands
  - Group 2: Development, deposition and application of p-type TCO's
  - Group 3: Low-temperature processing of thin film TCO's from chemical solutions
- 16:30 – 17:00:** Conclusions of the discussion, closing of the workshop
- 17:00:** Networking, drinks

Participation to this event is free of charge, registration however is mandatory. Please confirm your attendance before the 17<sup>th</sup> of June at <http://www.uhasselt.be/TCOworkshop> or at [alexander.riskin@uhasselt.be](mailto:alexander.riskin@uhasselt.be), 0032 11 26 83 94