

## ***Solar Impulse: Breakthrough for Transportation Systems Towards a Sustainable Solar Future: Dream or Reality?***

---

Monday 5th March 2012

15:00 - 17:45

at the Royal Institute of Technology (KTH)  
Lindstedtsvägen 22, F1, Stockholm

---

Solar Impulse is the only solar plane in the world that can fly day and night with a pilot on board without using a drop of fossil fuel. Launched as a vision in 2004 the Solar Impulse project became reality in July 2010 when the solar plane achieved the first ever day and night flight powered only by the sun, a decisive milestone towards the round-the-world flight expected in 2014.

This seminar takes place within the Film&Science Festival organised by the Nobel Museum. It aims at presenting an overview on solar technologies, a fast developing domain for research and industry that opens up new perspectives in terms of efficiency, engineering and cost reduction for the forthcoming decade.

### **PROGRAMME**

- 15.00      **“PHOTOVOLTAICS IN THE XXI<sup>ST</sup> CENTURY: ACHIEVEMENTS AND CHALLENGES”**  
**Jean-François Guillemoles**, Professor  
Chimie Paristech ENSCP (Ecole nationale supérieure de chimie de Paris) and IRDEP  
(Institut de recherche et développement sur l'énergie photovoltaïque), CNRS  
(Conseil national de la recherche scientifique)
- “THE PHOTOELECTROCHEMICAL SOLAR CELL - THE KITCHEN CHEMISTRY  
ROUTE TO INEXPENSIVE SOLAR POWER?”**  
**Lars Kloo**, Professor, School of Chemical Science and Engineering, KTH
- “SOLAR IMPULSE: WINGS FOR THE FUTURE”**  
**Claude Michel**, Head of the Solvay Solar Impulse Partnership
- 16.30      ***Refreshments***
- 16.45      Screening of “The wings of the Sun”, introduced by the film director  
**Henri de Gerlache**
- Chair: Marika Edoff**, Professor, Ångström Solar Center, Uppsala University

The seminar is free of charge. You are welcome to [register](#) to the event.