

## PHOTOVOLTAIC SOLAR ENERGY Resource, Technology, Grid integration, Economy

### WINTER SCHOOL APPLICATION FORM

14 Nov - 18 Nov 2011 at ParisTech

**Students from the five IDEA League partner universities can attend the summer schools.** Please send the application form for registration to the contact person at your home university:

- Imperial College London: Helen Challis, h.challis@imperial.ac.uk
- TU Delft: Please contact your faculty secretariat
- ETH: Barbara Schori, barbara.schori@rektorat.ethz.ch
- RWTH: Eleonor Thompson, eleonor.thompson@zhv.rwth-aachen.de
- ParisTech: contact.doctorat@paristech.fr

**The deadline for applications is Tuesday 31 May 2011.**

If you have questions regarding the programme please contact: joaquim.nassar@paristech.fr

Many thanks.

#### Personal Data

Surname	
First Name	
Gender Male/ Female	
Date of Birth	
Nationality/Citizenships (Please list all)	
Contact Address  (Please put all addresses if you will have different addresses between May and November)	
Phone: Home	
Phone: Mobile	
E-Mail (we will use this as our main form of contact)	
Person to be informed in case of emergency Name, address, and phone no.	

#### Education data

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University	
Department	
Education level (Master/PhD)	
Research area/topic	
Supervisor's name and email	

## More about you

### Please answer the following question:

Why do you wish to attend the IDEA League Winter School "PHOTOVOLTAIC SOLAR ENERGY - Resource, Technology, Grid integration, Economy", organized by ParisTech? (Please include information on any previous experience in other European countries that you might have). What do you hope to gain from attending the course? (In up to 500 words)

## Description

While sustainable energy supply and use are becoming an increasingly pressing issue worldwide, photovoltaic (PV) solar energy is now widely acknowledged as a relevant answer to a significant share of our future energy needs.

This 1-week intensive course will provide the students with an overview of PV science and technology as well as its uses, challenges and prospects.

## The following topics will be addressed:

- The rise of solar energy: facts and figures. Policy and market status
- Solar resource evaluation and prediction
- The uses of solar energy
- Silicon and thin-film based PV
- Emerging technologies
- Integration of solar PV into systems and grids
- Environmental impact and life-cycle analysis of PV technologies and systems

## Lecturers

- Daniel Lincot, Jean-François Guillemoles (IRDEP lab: CNRS / EDF / Chimie ParisTech)
- Didier Mayer, François Neirac (MINES ParisTech)
- Erik Johnson, Joaquim Nassar (joint Ecole Polytechnique / CNRS / TOTAL research team)
- Philippe Degobert (Arts et Métiers ParisTech)

## Target audience

Master students and PhD students in the relevant scientific area from the five IDEA League partner universities

## Practical information

The Winter School is hosted by ParisTech. The courses will take place in downtown Paris. ParisTech will arrange accommodation during the stay at the FIAP (<http://www.fiap.asso.fr/individual-accommodation.html>), in individual bedrooms.

## Registration

Students from the five IDEA League universities can register with their institute's contact person. Places are strictly limited (3 seats per IDEA League partner institution) so please apply as soon as possible. Application process is open until 31 May 2011.

## Further details

All the expenses (food, accommodation, and local transportation) are fully covered by ParisTech. Admitted participants will have their travel expenses reimbursed by their sending universities. Students will be sent full joining instructions closer to the date of the winter school.

**Please note that all students are required to attend the whole course.**

**I confirm that I have read and understood the attendance requirements overleaf:**

<b>Student's name:</b>	<b>Student's signature:</b>	<b>Date:</b>