

**ERC Starting Research Grant (IDEAS) on
Multi-field and multi-scale computational approach to design and durability of
photovoltaic modules**

Principal Investigator: Prof. Dr. Ing. Marco Paggi

CALL FOR PhD POSITIONS

(Jan 2013 – Dec 2015; application: deadline in summer 2012)

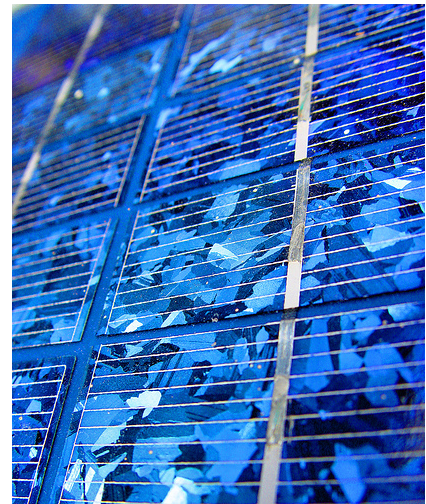
Dr. Ing. Marco Paggi is opening at Politecnico di Torino 3 new positions for PhD students (PhD in Structural Engineering), supported by the European Research Council (see SCUDO, <http://dottorato.polito.it/> for the application procedure to be announced soon).

Brief description of research

The PhD positions are in the field of computational strategies for the durability assessment of photovoltaic (PV) modules.

The aim is the development of a multi-scale and multi-field computational approach combined with innovative experimental methodologies to assess the evolution of microcracking in Silicon cells and its effect on the electric response of the PV module.

The research will be conducted at Politecnico di Torino, in cooperation with international research centres in Germany and Switzerland.



Requested skills

- Proficiency in English (PET certificate with “Pass with merit”)
- Master Degree in Civil/Mechanical/Aerospace/Energetics/Electronic/Electric engineering with at least 107/110 marks, or good marks in the exams and Master thesis do be discussed by the end of December, at latest
- Knowledge of fundamentals of strength of materials
- Willing to programming in Matlab/Fortran for finite element subroutines, or interest in experimental techniques

Contact

Interested candidates are requested to contact as soon as possible Dr. Paggi by email:

Dr. Ing. Marco Paggi

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