

Summer School FOREverOPV - Pau (IPREM)

The future of Renewable Energies: What place of organic Photovoltaics?

Du 8 juillet 2018 au 12 juillet 2018



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<https://foreveropv.sciencesconf.org/>

This summer school comes during an exciting period of rapid development for solar energy technologies, and particularly photovoltaics.

Aimed at PhD and Master students, young researchers, but also open to those wishing to know more about the fundamental and applied science of this foremost renewable energy resource, this school will give tutorials at the highest international level on:

- Overview of renewable energies
- Overview of silicon and thin films technologies
- Basic physical principles of photovoltaics (inorganic, perovskites, organic...)
- The latest results in the emerging PV technologies (DSSC, perovskites...)
- The fundamentals and applied aspects of organic photovoltaics (OPV)
- Characterisations applied to OPV to assess charge transport and morphology
- Stability and OPV
- Device architectures and processing for OPV
- Fundamental modelling of materials and device for OPV
- Building integration and real scale OPV applications

A visit to coincide with the official opening of four world leading examples of building integrated (nearby Pau), community-scale organic photovoltaics will be organised.

Several sessions will be devoted to peer-reviewed short talks, and a call for abstracts for oral and poster presentations is open.

