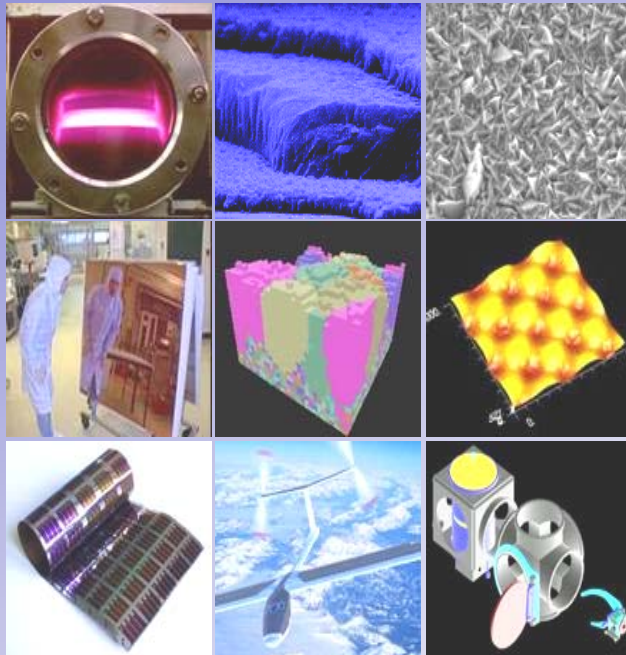


PV-LAB SCHOOL

2-DAYS INTENSIVE TRAINING ON PHOTOVOLTAICS



Especially designed to provide participants with a high level understanding of photovoltaic devices, processes and market challenges

Next dates – 8-9 March

Location Institut de microtechnique IMT, EPFL
Rue A.L. Breguet 2
2000 Neuchâtel, Switzerland

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Highlights

- State of the art on PV and market situation
- Materials and semiconductors
- Different PV technologies
- Thin film deposition processes
- Encapsulation and testing
- PV installation at IMT
- Lab tour

PV-LAB

- A leading laboratory in PV
- Many PV-LAB schools organised in the last years
- Pioneer in very high frequency deposition processes, micromorph technology, high performance TCO

Details

Early rate 1500 CHF + VAT (7.6%) / participant*
Standard rate 1800 CHF + VAT (7.6%) / participant

Rates include the support training material (Paper version at the beginning of each lesson + CD at the end of the week), 1 welcome aperitif, coffee breaks, lunches for 2 days.

Accommodation is not included in the course price. Information on accommodation will be sent upon registration.

* The lecture will take place with a minimum of 10 participants. A maximum of 18 participants per session is accepted

* Early rate means registration at least 1 month before the beginning of the session.

Detailed program

To be discussed
See typical training program
on next page



PV-Lab school program

Timetable	8h ⁰⁰ -8h ⁴⁵	9h ⁰⁰ -9h ⁴⁵	10h ⁰⁰ -10h ⁴⁵	11h ⁰⁰ -12h ⁰⁰	Lunch	13h ³⁰ -14h ¹⁵	14h ³⁰ -15h ¹⁵	15h ³⁰ -16h ¹⁵	16h ³⁰ -17h ¹⁵	
Monday	General intro to PV School (CBa) <ul style="list-style-type: none"> Introduction to PV Challenges of PV Materials - Semiconductor properties Different PV technologies Market situation 			Thin film deposition processes <ul style="list-style-type: none"> PVD CVD PECVD 		Crystalline Si photovoltaics (SdW) <ul style="list-style-type: none"> Principle Typical efficiencies Wafer processing Module processing Towards higher efficiency Leading manufacturers Testing processes 			Lab tour <ul style="list-style-type: none"> Deposition systems Diagnosis tools 	Apero
Tuesday	Thin film technologies <ul style="list-style-type: none"> Major existing thin film technologies Principle Thin film silicon vs Crystalline technologies Production steps Leading manufacturers Testing processes 			Cell diagnostic <ul style="list-style-type: none"> IV QE <i>(To be discussed)</i>		Module, encapsulation and testing <ul style="list-style-type: none"> Principle Equipments Materials Standards and testing Effects when measuring thin-film modules 			PV installation <ul style="list-style-type: none"> Stand-alone Grid connection Batteries Converters 	

