

EPFL STI IMT-NE PV-LAB

Seminar

Wednesday 19th September 2012 MT 1 11.00 - \approx 12.00

Rue A.-L. Breguet 2, CH-2000 Neuchâtel

Research and development of microcrystalline silicon thin film solar cells at Nankai University

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Main contents about the presentation

- 1. Brief introduction about Nankai University, China
- 2. Brief introduction about Institute of Photo-electronic Thin Film Devices and Technology----especially silicon based thin film solar cells group
- 3. Basic research about microcrystalline silicon solar cells in our group
 - Transparent conductive oxide---deposited by sputtering and MOCVD technique
 - "New" back reflector----SiOx/metals
 - High deposition rate microcrystalline silicon solar cells
 - High pressure technique for p layer
 - Single chamber deposition microcrystalline silicon solar cells
 - Tandem solar cells