



EUROPEAN
MATERIALS RESEARCH SOCIETY



CHINESE
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SINO – EUROPEAN BILATERAL WORKSHOP ON PHOTOVOLTAICS

The **Chinese Materials Research Society (C-MRS)** and the **European Materials Research Society (E-MRS)** are welcome you to this bilateral workshop dealing with recent progress on Materials for Photovoltaic as well as the status & future of the photovoltaic industry.

The workshop is **open to all**. The scientific program is given below.

Lunch and dinner are exclusively reserved to the speakers or those who have been specifically invited.

Address:

Shanghai International Convention Center
2727 Riverside Avenue, Pudong, Shanghai

Time: Oct. 10, 2005

Chair: Professor Chen Liquan

Co-Chair: Prof. Zhao Yuwen, Dr. Abdelilah SLAOUI, Prof. Cui Rongqiang

Secretary: Prof. Wang Wenjing

Vice Secretary: Dr. Sun Tietun

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.....**SCIENTIFIC PROGRAM**.....

8:45 Opening

M. Prof. Chen Liquan, *Vice-President CMRS*
M. A. Slaoui, *Vice-President EMRS*

9:00 SESSION 1: STATUS AND VISION OF PV IN CHINA AND EUROPE

Chairpersons: Liquan, Slaoui

9:05. PHOTOVOLTAICS R&D IN THE EUROPEAN UNION

Dr. D. Anderson
European Commission DG Research,
Brussels,B

9:25. THE FORESEE OF PV DEVELOPMENT IN CHINA

Prof. Zhao Yuwen
Chinese Solar Energy Assoc.

9:45. PHOTOVOLTAICS AND RENEWABLE ENERGIES IN EUROPE

Dr A. Jaeger-Waldau
JRC - European Com., Ispra, It

10:05. THE HIGH EFFICIENCY SOLAR CELL IN MASS PRODUCTION

Mr. Zhao Jianhua
Manager of Nanjing PV-Tech Co. Ltd.

10:25. Break

10:45 SESSION 2: MATERIALS FOR PHOTOVOLTAICS 1

Chairpersons: Yuwen, Cintolesi

**10:50 FUSED SILICA CRUCIBLES FOR MULTI CRYSTALLINE
SILICON INGOTS PRODUCTION**

Dr. Gilbert Rancoule
Vesuvius Glass and
solar R&D Manager, F

11:10 CRYSTALLINE SILICON USED FOR SOLAR CELLS

Prof. Yang Deren
Zhejiang University

11:30. SI-BASED SOLAR CELLS: CRYSTALCLEAR PROJECT

Dr P. Fath (UKN, KINSTANZ, D),
Prof. W. sinke ECN, Petten, ND

**11:50. THE RESEARCH PROGRESS OF CRYSTAL SI THIN
SOLAR CELL**

Prof. Wang Wenjing
Beijing Solar Energy Res. Inst.

12:10 THIN FILM SILICON -BASED SOLAR CELLS

Dr. J. Poortmans
IMEC, Leuven, B

12:30. LUNCH



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14:00 SESSION 3: MATERIALS FOR PHOTOVOLTAICS 2

Chairpersons: Wenjing, Poortmans

- 14:05. A-SI/C-SI BASED HETEROJUNCTION SOLAR CELLS
Dr R. Stangl
HMI, Berlin, D
- 14:25 LIGHT INDUCED STRUCTURAL CHANGES IN DIPHASIC IS FILM
Prof. Xianbo Liao
Institute of Semiconductor, CAS
- 14:45. CIS BASED SOLAR CELLS
Dr. J-F Guillemoles
ENSCP, Paris, F
- 15:05. THE RESEARCH PROGRESS OF CdTe SOLAR CELL IN CHINA
Prof. Feng Lianghuan
Sichuan University
- 15:25. CONVERSION EFFICIENCY AND STABILTY OF DYE SENSITIZED SOLAR CELLS (DSC) FOR OUTDOOR USE
PR. M. Graetzel
EPFL, Lausanne, CH
- 15:45. SOLID STATE ELECTROLYTE DYE SENSITIZED SOLAR CELL
Prof. Dr. Qingbo Meng
Institute of Physics, CAS
- 16:05. DESIGN ON NANOSTRUCTURAL ELECTRODES FOR DYE-SENSITIZED SOLAR CELL
Dr. Hong Lin
Tsinghua University

16:25. Break

16:55 SESSION 4: PHOTOVOLTAIC INDUSTRY: STATUS and FUTURE

Chairpersons: Jianhua, Graetzel

- 17:00 THE MANUFACTURE AND PROCESS DEVELOPMENT OF SOLAR GRADE CZ SI WAFER IN CHINA
Prof. Ren Bingyan
Jinglong Co. Ltd.
- 17:20 Q-CELLS - FROM START-UP TO LEADER IN 5 YEARS
Mr Daniel Cintolesi
Q-Cells, D
- 17:40 DYNAMICS IN PHOTOVOLTAIC TECHNOLOGY
Mr. She Zhengrong
Manager General of Wuxi Suntech Co. Ltd.
- 18:00 STATUS & PROGRESS of PHOTOVOLTECH
Dr. J. Poortmans , IMEC
Pr. J. NIJS, Photovoltech, B
- 18:20 THE APPLICATION OF SOLAR CELL IN GUAGDONG PROVINCE
Prof. Shen Hui
Sun Yat-Sen University
- 18:40 STATUS & PROGRESS of RW SCHOTT Solar
Dr. Schwirtlich
RW-SS, Alzenau D

19:00 OPEN DISCUSSIONS

19:30 DINNER