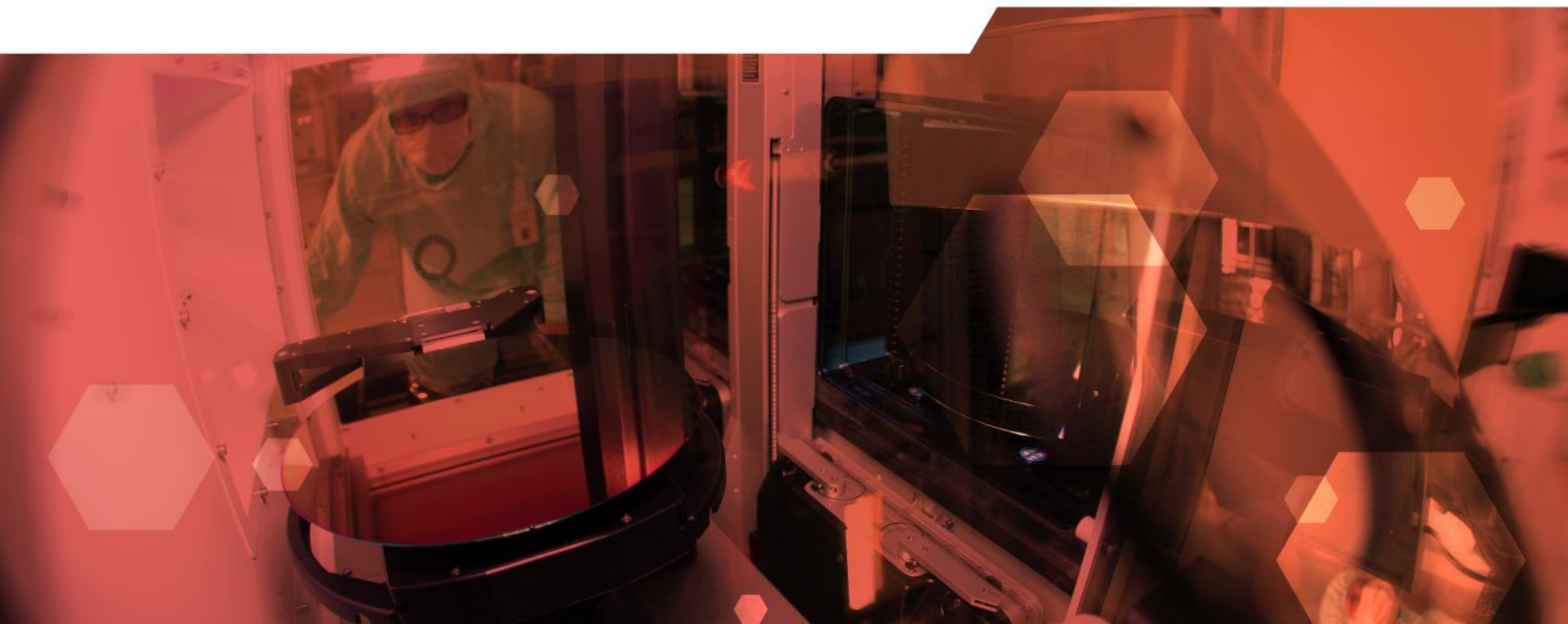


China Photovoltaic Committee Chapter China PV Materials Committee Chapter Joint Liaison Report

Sophia Huang

Updated July, 2017



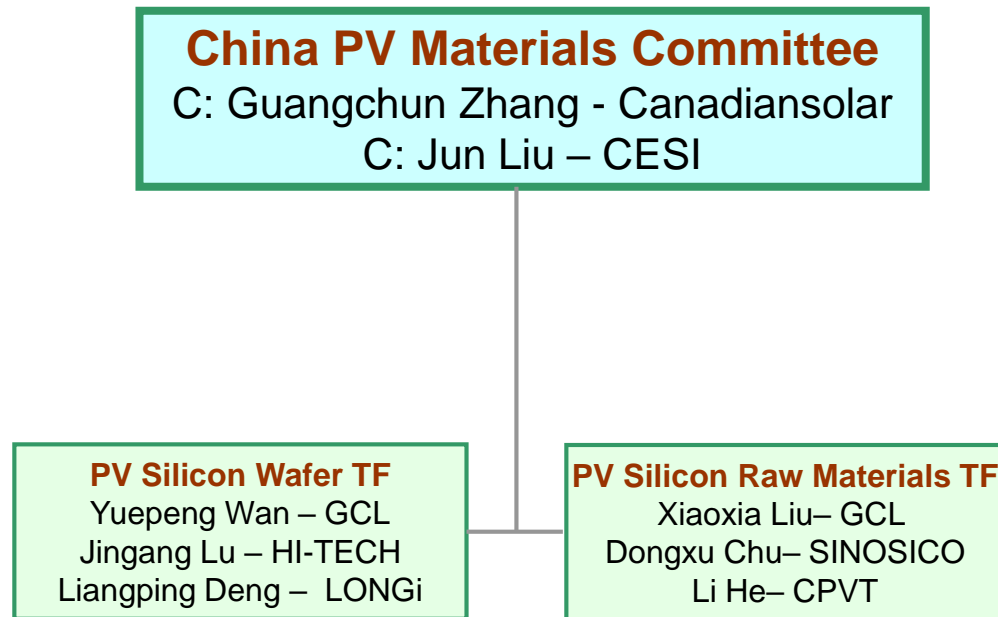
Leadership

- **Co-chair**
 - Guangchun Zhang (Canadiansolar)
- **Co-chair**
 - Jun Liu (China Electronics Standardization Institute)

Organization chart for China Photovoltaic Comm



Organization chart for China PV Materials Comm



Meeting Information

- **Last meeting**

- PV&PV Materials China Spring Standards Joint Meeting 2017
 - Shanghai, China
 - Tuesday, April 18th, 2017

- **Next meeting**

- PV&PV Materials China Fall Standards Joint Meeting 2017
 - Taizhou, Jiangsu
 - Friday, October 13th, 2017

China PV&PV Materials Joint TC Chapter Highlights (1/3)

- **3 new SNARFs:**

- Testing Equipment Task Force: Doc 6191, New Standard: Guide for the Design of Testing and Sorting Equipment for Crystalline Silicon Solar Cells
- PV Silicon raw Materials Task Force: Doc 6194, New Standard: Test Method for Determination of Hydrogen in PV Polysilicon by Inert Gas Fusion Infrared Absorption Method
- PV Silicon Raw Materials Task Force: Doc 6193, New Standard: Specification for Trichlorosilane Used in Polysilicon Production

- **3 ballots failed committee review and return to TF**

- PV Module Task Force: Doc 5968, New Standard: Guide for Sample Preparation Method for Photovoltaic Backsheet Performance Tests
- PV Module Task Force: Doc 5661, New Standard: Test Method for Electrical Parameters of Bifacial Solar Module
- Crystalline Silicon Solar Cell Task Force: Doc 5842, New Standard: Test Method for Metal-Wrap-Through Solar Cell Via Resistance

China PV&PV Materials Joint TC Chapter Highlights (2/3)

- **Authorized 9 ballots in Cycle 5- 2017**

- PV Module Task Force: Doc 5982, New Standard: Specification for Crystalline Silicon Photovoltaic Module Dimensions
- PV Module Task Force: Doc 6070A, New Standard: Test Method for Cell Defects in Crystalline Silicon PV Modules by Electroluminescence (EL) Imaging
- PV Module Task Force: Doc 5925 A, New Standard: Specification for Dual-glass Module with Crystalline Silicon Terrestrial Solar Cell
- PV Module Task Force: Doc 5725, New standard: Practice for Metal Wrap Through (MWT) Back Contact PV Module Assembly
- PV Module Task Force: Doc 5968A, New Standard: Guide for Sample Preparation Method for Photovoltaic Backsheet Performance Tests
- PV Module Task Force: Doc 5661A, New Standard: Test Method for Electrical Parameters of Bifacial Solar Module
- PV Silicon Wafer Task Force : Doc 5767A, New Standard: Guide for Material Requirements of Internal Feeders Used in Mono-crystal Silicon Growers
- Crystalline Silicon Solar Cell Task Force: Doc 6074, New Standard: Test Method for Peeling Force between Electrode and Ribbon/Back Sheet
- PV Diffusion Furnace Test Methods Task Force: Doc 5841 A, New Standard: Guide for Specifying Low Pressure Horizontal Diffusion Furnace

China PV&PV Materials Joint TC Chapter Highlights (3/3)

- **Three SNARFs Granted a One-Year Extension**

- PV Module Task Force: Doc 5661A, New Standard: Test Method for Electrical Parameters of Bifacial Solar Module
- PV Module Task Force: Doc 5725, New standard: Practice for Metal Wrap Through (MWT) Back Contact PV Module Assembly
- PV Silicon Wafer Task Force: Doc 5767A, New Standard: Guide for Material Requirements of Internal Feeders Used in Mono-crystal Silicon Growers

China PV TC Chapter Ongoing Drafts (1/2)

- **Crystalline Silicon Solar Cell Task Force**
 - Doc 5842A, New Standard: Test Method for Metal-Wrap-Through Solar Cell Via Resistance
 - Doc 6112, New Standard: Specification for Voltage Sweep Time and Direction in Transient Mode I-V Measurement of Silicon Solar Cells
- **Thin Film PV Module Task Force**
 - Doc 5926, New Standard: Test Method for Bending Property of Flexible Thin Film PV Modules
- **Multi-wire Saws Task Force**
 - None
- **PV Diffusion Furnace Test Methods Task Force**
 - Doc 5841A, New Standard: Guide for Specifying Low Pressure Horizontal Diffusion Furnace
 - Doc 5983, New Standard: Test Method for In-line Sheet Resistance Inspection
- **Testing Equipment Task Force (New TF)**
 - One SANRF

China PV TC Chapter Ongoing Drafts (2/2)

- **PV Module Task Force**

- Doc 5661A, New standard: Test Method for Electrical Parameters of Bifacial Solar Module
- Doc 5725, New standard: Practice for Metal Wrap Through (MWT) Back Contact PV Module Assembly
- Doc 5840, New Standard: Guide for Calibration of PV Module UV Test Chambers
- Doc 5925A, New Standard: Specification for Dual-glass Module with Crystalline Silicon Terrestrial Solar Cell
- Doc 5968, New Standard: Guide for Sample Preparation Method for Photovoltaic Backsheet Performance Tests
- Doc 6070, New Standard: Test Method for Cell Defects in Crystalline Silicon PV Modules by Electroluminescence (EL) Imaging
- Doc 5982, New Standard: Specification for Crystalline Silicon Photovoltaic Module Dimensions
- Doc 6069, New Standard: Specification for Structural Silicone Adhesive for the Back Rail Fixture on PV Modules
- Doc 6073, New Standard: Specification for Crystalline Silicon PV Modules with Integrated Power Optimizer
- Doc 6113, New Standard: Test Method for Abrasion Resistance of the Polymer Backsheet of Crystalline Silicon Solar Modules

China PV Materials TC Chapter Ongoing Drafts

PV Silicon Wafer Task Force

Doc 5767A, New Standard: Guide for Material Requirements of Internal Feeders Used in Mono-crystal Silicon Growers

Doc 5843, Revision of SEMI PV22-1011, Specification for Silicon Wafers for Use in Photovoltaic Solar Cells

PV Silicon Raw Materials Task Force

Doc 6193, New Standard: Specification for Trichlorosilane Used in Polysilicon Production

Doc 6194, New Standard: Test Method for Determination of Hydrogen in PV Polysilicon by Inert Gas Fusion Infrared Absorption Method

China PV TC Chapter Released Standards Summary

SEMI PV TF	Draft Name	Released Standards
PV Module Task Force	Doc 5384 Doc 5385 Doc 5475 Doc 5563 Doc 5644 Doc 5660	SEMI PV44-0513 SEMI PV45-0513 SEMI PV47-0513 SEMI PV61-0115 SEMI PV62-0215 SEMI PV63-0215
Crystalline Silicon Solar Cell Task Force	Doc 5427 Doc 5426 Doc 5659 Doc 5726 Doc 5727	SEMI PV54-0514 SEMI PV58-0115 SEMI PV65-0715 SEMI PV66-0715 SEMI PV67-0815
PV Diffusion Furnace Test Methods Task Force	Doc 5429	SEMI PV53-0514
Multi-wire Saws Task Force	Doc 5728	SEMI PV68-0815
Thin Film PV Module Task Force	Doc 5478	SEMI PV73-0216

China PV MaterialsTC Chapter Released Standards Summary (2/2)

SEMI PV TF	Draft Name	Released Standards
PV Silicon Raw Materials Task Force	Doc 5428 Doc 5476 Doc 5477 Doc 5564C	SEMI PV50-0114 SEMI PV59-0115 SEMI PV64-0715 SEMI PV74-0216
PV Silicon Wafer Task Force	Doc 5927	SEMI PV22-0716

Questions?

- **Contact**

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