

# Japan TC Chapter of PV Global Technical Committee Japan TC Chapter of PV Materials Global Technical Committee Joint Meeting Summary and Minutes

Japan Standards Winter 2014 Meetings  
Wednesday, December 10, 2014, 1:30 p.m. – 3:30 p.m.  
SEMI Japan office, Tokyo, Japan

**Next Committee Meeting**

TBD

**Committee Announcements (optional)**

None

**Table 1 Meeting Attendees**

**PV Committee/Co-Chairs:** Kazuhiko Kashima (GlobalWafers Japan), Masaaki Yamamichi (AIST), Hiromu Takatsuka (Mitsubishi Heavy Industries)

**PV Materials Committee/Co-Chairs:** Kazuhiko Kashima (GlobalWafers Japan), Takashi Ishihara (Mitsubishi Electric), Tetsuo Fukuda (AIST)

**SEMI Staff:** Chie Yanagisawa

**Attendee:** 4 + **SEMI:** 1

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AIST	Yamamichi	Masaaki	Mitsubishi Electric	Ishihara	Takashi
AIST	Fukuda	Tetsuo			
GlobalWafers Japan	Kashima	Kazuhiko	SEMI Japan	Yanagisawa	Chie

*\* alphabetical order by company name*

## Japan TC Chapter of PV Global Technical Committee

**Table 2 Leadership Changes**

None

**Table 3 Ballot Results (or move to Section 4, Ballot Review)**

None

**Table 4 Authorized Ballots (or move to Section 7, New Business)**

None

**Table 5 Authorized Activities (or move to Section 7, New Business)**

None

**Table 6 New Action Items (or move to Section 8, Action Item Review)**

None

**Table 7 Previous Meeting Actions Items (or move to Section 8, Action item Review)**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20140911-1	Masaaki Yamamichi (AIST)	To prepare the explanatory materials for the survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan => <b>CLOSE</b>
20140911-2	Chie Yanagisawa (SEMI Japan)	To send out the survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan and to get feedback from them by the two weeks after the distribution. => <b>CLOSE</b>

## Japan TC Chapter of PV Materials Global Technical Committee

### Table 8 Leadership Changes

None

### Table 9 Ballot Results (or move to Section 4, Ballot Review)

None

### Table 10 Authorized Ballots (or move to Section 7, New Business)

None

### Table 11 Authorized Activities (or move to Section 7, New Business)

None

### Table 12 New Action Items (or move to Section 8, Action Item Review)

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>

### Table 13 Previous Meeting Actions Items (or move to Section 8, Action item Review)

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20140911-3	Chie Yanagisawa (SEMI Japan)	To ask the patent holder, NPC, for an LOA for these two potentially material patented technology. => <b>CLOSE</b>

## 1 Welcome, Reminders, and Introductions

Masaaki Yamamichi (AIST), co-chair, called the meeting to order at 1:30 p.m. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

## 2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous joint meeting.

<b>Motion:</b>	To approve the previous meeting minutes as written.
<b>By / 2<sup>nd</sup>:</b>	Tetsuo Fukuda (AIST) / Kazuhiko Kashima (GlobalWafers Japan)
<b>Discussion:</b>	None
<b>Vote:</b>	3 in favor and 0 opposed. Motion passed.

## 3 Liaison Reports

### 3.1 *China PV TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the China PV TC Chapter as attached.

**Attachment:** [01\\_China Photovoltaic Committee Liaison Report20141021](#)

### 3.2 *Europe PV Materials TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the Europe PV Materials TC Chapter as attached.

**Attachment:** [02\\_141022\\_Europe\\_PVMat\\_LiaisonReport](#)

### 3.3 *North America PV Materials TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the North America PV Materials TC Chapter as attached.

**Attachment:** [03\\_NA Liaison Report PV Materials 20141118](#)

### 3.4 *Taiwan Photovoltaic TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the Taiwan Photovoltaic TC Chapter as attached.

**Attachment:** [04\\_Taiwan PV Liaison Report Dec 8 2014](#)

### 3.5 *SEMI Staff Report*

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report as attached.

**Attachment:** [05\\_SEMI Staff Report 2014 December\\_R0.4](#)

## Japan PV TC Chapter

### 4 Ballot Review

None

### 5 Subcommittee & Task Force Reports

None

### 6 Old Business

None

## **7 New Business**

None

## **8 Action Item Review**

### *8.1 Open Action Items*

There is no open action item.

### *8.2 New Action Items*

There is no new action item.

# **Japan PV Materials TC Chapter**

## **9 Ballot Review**

None

## **10 Subcommittee & Task Force Reports**

### *10.1 Japan PV Materials Task Force*

Tetsuo Fukuda (AIST), co-leader, reported nothing new except for the receipt of LOA for 5532, which would be reported at “Old Business section” of this meeting .

## **11 Old Business**

11.1 Report of receipt of the LOA related to Doc. 5532 New Standard: “Test Method for Measurement of Cracks in PV Silicon Wafers in PV Modules by Laser Scanning”

Chie Yanagisawa reported the SEMI Japan sent the LOA request to NPC Incorporated and the completed LOA was received at SEMI Japan on November 4, 2014. The Japan TC Chapter of PV Materials Global Technical Committee confirmed the LOA at the meeting on December 10, 2014.

## **12 New Business**

None

## **13 Action Item Review**

### *13.1 Open Action Items*

There is no open action item.

### *13.2 New Action Items*

There is no new action item.

## 14 Old Business for Japan TC Chapters of PV Committee and PV Materials Committee

### 14.1 Discussion for the reorganization

On reorganization of the PV related activities in Japan region Chie Yanagisawa (SEMI Staff) reported the result of the survey for the reorganization distributed to the Japan TC members of both PV Global Technical Committee and PV Materials Global Technical Committee and there were few responses.

Tetsuo Fukuda stated that the Japan TC Chapter of PV Materials Global Technical Committee shall remain and the Japan TC Chapter of PV Global Technical Committee should remain in order to watch the activities other than PV Materials in the other regions.

All attendees agreed that:

- The Organizations of Japan TC Chapters of both PV GTC and PV Materials GTC keep as they are.
- TC Chapters in some locales to review their organizations to align with the scopes of PV GTC and PV Materials GTC. It is recommended to establish PV Materials TC Chapters and transfer relevant task forces as needed.

## 15 Next Meeting and Adjournment

The next joint meeting of the Japan PV TC Chapter and the Japan PV Materials TC Chapter to be decided.

Respectfully submitted by:

Chie Yanagisawa  
Senior Standard Coordinator  
SEMI Japan  
Phone: +81.3.3222.5863  
Email: cyanagisawa@semi.org

Minutes approved by:

Kazuhiko Kashima (GlobalWafers Japan), Co-chair / PV/PV Materials	April 27, 2015
Takashi Ishihara (Mitsubishi Electric), Co-chair / PV Materials	April 27, 2015
Tetsuo Fukuda (AIST) / PV Materials	April 27, 2015

**Table 14 Index of Available Attachments #1**

#	Title	#	Title
01	China Photovoltaic Committee Liaison Report20141021	04	Taiwan PV Liaison Report Dec 8 2014
02	141022_Europe_PVMat_LiaisonReport	05	SEMI Staff Report 2014 December_R0.4
03	NA Liaison Report PV Materials 20141118		

#1 Due to file size and delivery issues, attachments must be downloaded separately. A .zip file containing all attachments for these minutes is available at [www.semi.org](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.