

SEMI Standards Staff Report

April 9, 2019 v1.0

SEMI Japan

Contents

- SEMI Global Calendar of Events
- Global Standards Meeting Schedule
- 2019 Critical Dates for SEMI Standards Ballots
- A&R Ballot Review
- SEMI Standards Publications
- Regulations and Procedure Manual
- JRSC Organization
- SEMI通信 / SEMI Japan e-mail newsletter
- Staff Assignment

SEMI Global 2019 Calendar of Events

Event Name	Event Details
SEMICON[®] KOREA	Jan. 23 -25, 2019 Seoul, South Korea
SEMICON[®] CHINA	Mar 20-22, 2019 Shanghai, China
SEMICON[®] SOUTHEAST ASIA	May 7-9, 2019 Kuala Lumpur, Malaysia
SEMICON[®] WEST	July 9-11, 2019 San Francisco, California
SEMICON[®] TAIWAN	Sept 18-20, 2019 Taipei, Taiwan
SEMICON[®] EUROPA	Nov 12-15, 2019 Munich, Germany
SEMICON[®] JAPAN	Dec 11-13, 2019 Tokyo, Japan

Global Standards Meeting Schedule

<http://www.semi.org/en/standards-events>

- April 10, 2019
Traceability Japan TC Chapter Meeting
SEMI Japan Office
- April 12, 2019
Gases and Facilities Japan TC Chapter Joint Meeting
SEMI Japan Office
- April 12, 2019
FPD – Metrology Taiwan TC Chapter Meeting
ITRI Office
- April 17, 2019
Automation Technology Japan TC Chapter Meeting
SEMI Japan Office
- April 18, 2019
Information & Control Japan TC Chapter Meeting
SEMI Japan Office
- April 18, 2019
PI&C Japan TC Chapter Meeting
SEMI Japan Office
- April 18, 2019
Photovoltaic Taiwan TC Chapter
ITRI Office
- April 19, 2019
PV & PV Materials Japan TC Chapter Joint Meeting
SEMI Japan Office
- April 19, 2019
EHS TC Chapter
SEMI Japan Office
- April 19, 2019
Silicon Wafer Japan TC Chapter
SEMI Japan Office
- April 26, 2019
PV & PV Materials China TC Chapter
SEMI China Office
- May 1, 2019
Compound Semiconductor Materials NA TC Chapter
Minneapolis, MN, USA
- May 21, 2019
PV Materials Europe TC Chapter meeting
Fraunhofer-Center, Germany
- May 31, 2019
FPD Materials & Components and FPD Metrology joint Japan TC
Chapters meeting
SEMI Japan Office
- June 7, 2019
3D Packaging & Integration Japan TC Chapter
SEMI Japan Office
- June 11, 2019
3D Packaging & Integration Taiwan TC Chapter
SEMI Taiwan Office
- June 12, 2019
Automation Technology Taiwan TC Chapter
SEMI Taiwan Office
- July 8-11, 2019
SEMICON WEST
San Francisco, California[MOSCONE South Hall]
- September 27, 2019
Information and Control Taiwan TC Chapter
SEMI Taiwan Office
- September, 2019
HB-LED China TC Chapter
SEMI China Office
- October 16, 2019
EHS Taiwan TC Chapter
SEMI Taiwan Office
- November, 2019
Silicon Wafer Europe TC Chapter
Munich, Germany

Standards Meeting during SEMICON West 2019

SEMICON[®] WEST
BEYOND SMART

Standards Meetings will be held at
MOSCONE South Hall, not Marriott Marquis
– *Meeting room details will be available on the web*



SEMICON West Registration



- Registration Link
 - <http://www.semiconwest.org/registration>
 - Expo pass is complimentary for Standards Members
 - Use promo code: STAN2019
- Exhibitor or a Speaker? and plan to attend the Standards Meetings
 - Register according to directions from your SEMI contact, and RSVP to Laura Nguyen at lnguyen@semi.org.
- Upgrade to an ALL In Pass at a discounted rate!

Standards Meetings during NA Spring 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
		ATE		3DP&I		
		EH&S				
	Facilities & Gases					
	HB-LED					
	Information & Control					
	Liquid Chemicals					
	MEMS/NEMS					
	Silicon Wafer					
		Metrics				
		Physical Interfaces & Carriers				
	NARSC			Traceability		

Schedule at-a-glance

Upcoming North America STD Meetings

Event Name	Date / Venue
SEMICON West 2019	July 8-11, 2019 San Francisco, California [MOSCONE South Hall]
NA Standards Fall 2019 Meetings	November 4-7, 2019 SEMI HQ in Milpitas, California
NA Standards Spring 2020 Meetings	March 30- April 2, 2020 (tentative) SEMI HQ in Milpitas, California

Seminar: Tutorials & STEP

- SECS/GEM on June 20, 2019
- GEM 300 on June 21, 2019
- STEP S2 in October (Date not decided yet)

2019 Critical Dates for SEMI Standards Ballots

2019	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 2	Feb 1	Feb 15	Mar 18
Cycle 3	Mar 12	Mar 26	Apr 25
Cycle 4	Apr 16	Apr 30	May 30
Cycle 5	May 10	May 24	Jun 24
Cycle 6	July 19	July 31	Aug 30
Cycle 7	Aug 22	Sept 4	Oct 4
Cycle 8	Oct 11	Oct 25	Nov 25
Cycle 9	Nov 14	Nov 26	Dec 26

http://www1.semi.org/en/Standards/P_000788

A&R Ballot Review (2019)

A&R Cycle	Result	Notes
January 2019	 ISCA&RSCW Web Ja 19 Voting Summary	All passed

SEMI Standards Publications (2019)

Cycle	New	Revised	Reapproved	Withdrawn
January 2019	2	0	0	0
February 2019	1	3	4	0
March 2019	1	5	6	0

- Total SEMI Standards in portfolio: 1,001
 - Includes 268 Inactive Standards

SEMI Standards Publications (2019)

New Standards

Cycle	Designation	Title	Committee	Region
Jan 2019	SEMI M88	Practice for Sample Preparation Methods for Measuring Minority Carrier Diffusion Length in Silicon Wafers by Surface Photovoltage Methods	Silicon Wafer	JA
Jan 2019	SEMI T23	Specification for Single Device Traceability for the Supply Chain	Traceability	NA
Feb 2019	SEMI PV89	Test Method of Current-Voltage (I-V) Measurement in Indoor Lighting for Dye-Sensitized Solar Cell and Organic Photovoltaic	Photovoltaic	TW
Mar 2019	SEMI PV90	Guide for Material Requirements of Internal Feeders Used in Monocrystal Silicon Growers	PV Materials	CN

Reg Subcommittee

- 規約およびPMの改訂
 - 2019年2月28日に公表
 - 2019年北米地区スタンダード委員会より適用となる

REG SC

改訂の背景

- Trademark関連： § 16の前回改訂に対する矛盾点を修正
 - § 1.5.11: harmonized with standard practice in PM related to subheadings for SDOs
 - § 8.8 and ¶ 9.2.5.1.1.3 harmonized with § 16
 - § 16.4.4 revised for further clarification for trademark procedures
- SEMIのリーガルカウンシルによるIP関連のセクションの見直しで生じた懸念の解決
 - “Use of trademark in Standard Document” might be confusing
 - Potential of misunderstanding that reproduction of SEMI Standards in other documents such as user-supplier agreement is allowed without obtaining specific permission or license from SEMI
 - “Use of copyrighted material” might imply copyright violation

REGS

規約改訂のサマリ

- IP関連ポリシーの明確化
 - Addressed potential confusion about confidentiality of information disclosed in SEMI Standards Program
 - Improvements made in § 1.5.11 Use of Proper Names and Trademarks
 - Clarified that SEMI Standards are used by reference (SEMI’s Copyright), but not by inclusion in other documents (¶ 1.5.9) in the context of the paragraph.
- Trademarkに関する § 8および § 9と § 16の矛盾修正
- LOIのアクセプタンス条件に関する確認
- 著作物および商標に適用可能な言葉の統一および手順の明確化
 - “copyrighted item(s)” is replaced with a new defined term (as defined in ¶ 4.3), and copyrighted material(s) is replaced with Copyrighted Item(s), where appropriate.
 - “use (n., v.)” or “reproduction (n.)/reproduce (v.) in the contexts of Copyrighted Items or third-party trademarks in the Standard Documents are replaced with “incorporation (n.)/ incorporate (v.).

REG SC

PM改訂のサマリ

- 規約改訂に伴う必要な変更
- Table6の「編集上の変更に該当しない項目」に例を追加
- Noticeの使用に関する説明
- “nonconforming title”を訂正するためのAppendix4の改訂およびアップデート

connected@SEMI

- Web link - <https://connect.semi.org>
 - Login using Standards account (username and password)
- Program Member
 - Join any task forces
 - Post discussion thread
- TF Leader/Community Admin
 - Add member
 - Upload meeting minutes
 - Communicate TF members
 - Contact your staff if a TF Site is desired
- Details
 - www.semi.org/standards → Committee Info → Collaboration Community



Collaboration Community

- [Connected@SEMI](#)
The secure online, interactive platform for Committee and Task Force Communities
- [Instructions for Program Member](#)
Detailed instructions on how to log in and post discussion.
- [Instructions for TF Leader/Community Admin](#)
Detailed instructions on how to add member, upload minutes, and other tasks.

New Forms, Regulations, and Procedure Manual

- *Regulations* (Feb 28, 2019)
 - Latest version clarifies procedure and trademarks
- *Procedure Manual* (Feb 28, 2019)
- SNARF (Feb 2019)
- www.semi.org/standards
 - Under Resources



Committee Info Ballots Standards Publications Standard



Resources

- Contact Information
- Standards Membership Applications
- Organization Chart (April 2019)
- *Regulations* (Feb 28, 2019) (New!)
- *Procedure Manual* (Feb 28, 2019) (New!)
- TFOF (blank form) (June 2018)
- SNARF (blank form) (Feb 2019) (New!)
- Ballot Report Template (Rev1.2)
- Ballot Line-Item Report Template (Rev1.5)
- Ballot Report for Editorial Changes (Rev1.6)
- Meeting Required Elements (August 2018)

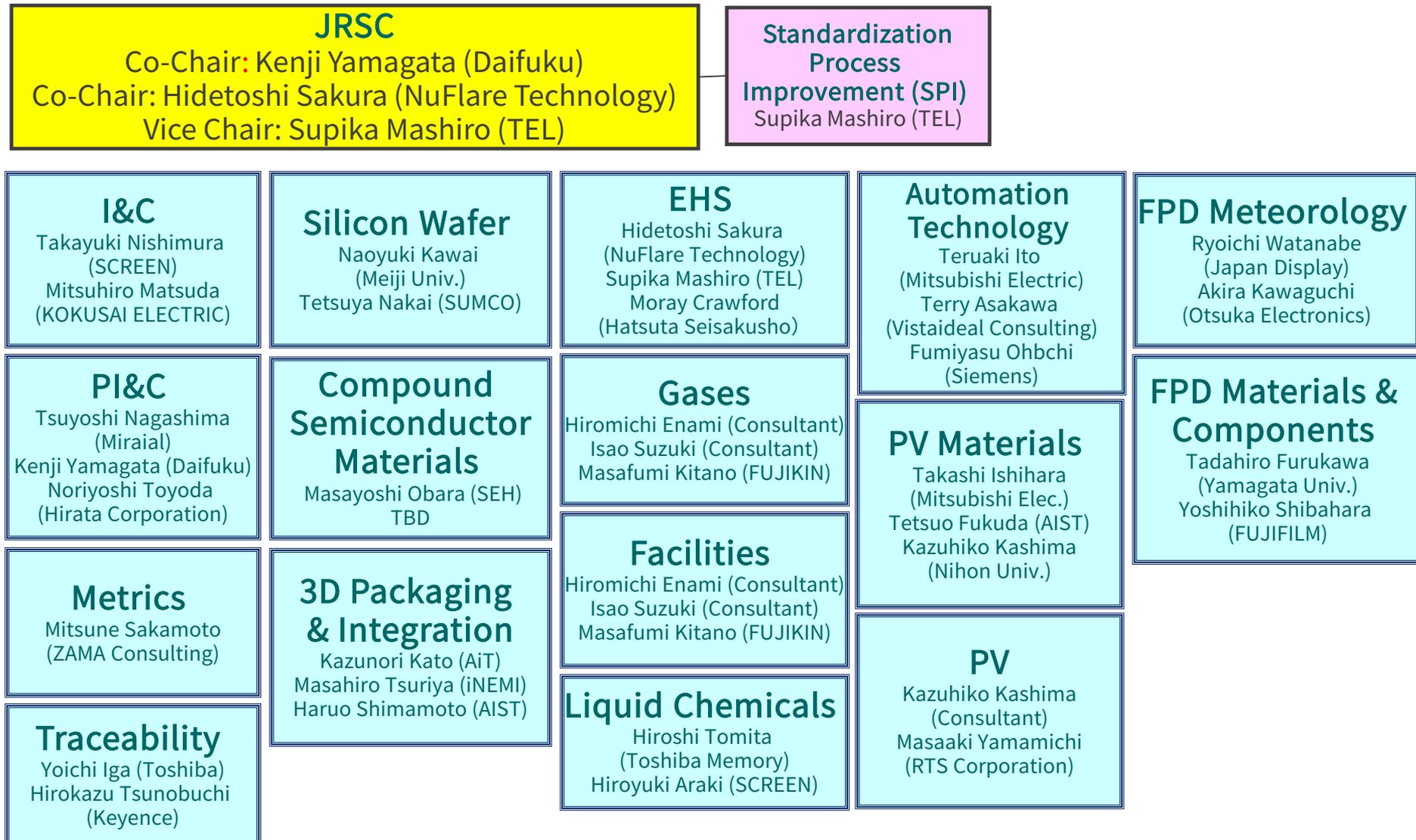
The SEMI Standards Program

- About SEMI Standards
- Benefits of Participating in Standards
- Education Opportunities - Standards Technical Education Program (STEF)
- SEMI Standards Policy - Antitrust
- SEMI Standards Policy - Copyright
- SEMI Standards Policy - Intellectual Property

Style Manual Update

- Style Manual Version 6 (March 25, 2019)
 - Additions and revisions to harmonize with updated *Regulations* and *Procedure Manual*
 - Updates
 - *Company or Organization Trademarks (Table 1, #1-24)*
 - *Active vs. Passive Voice (Table 4, #4-4)*
 - *Word Usage (Table 4, #4-5)*
 - *New Safety Guideline Conformance Notice (Table 8, #8-1)*
- www.1semi.org/standards/standardpublications
 - Under Document Authoring Tools

JRSC Organization Chart



SEMI通信（2019年）

テーマ募集中!!

- 2019_01_SEMIジャパン・スタンダード賞、2018年度は2名が受賞
✓号名の付け方が変わりました。
- 2019_03（2月発信）PLP樹脂封止装置の特徴と課題について
- 2019_04（3月発信）表面光起電力法によるシリコンウェーハの少数キャリア拡散長測定のための試料の前処理法の紹介（SEMI M88）
- 2019_05（4月発信）ガス検知の活動への参加について（SEMI S6）

Please let us know if your affiliate is changed

- Company change
 - Re-register for SEMI Standards Program Member (and TC Member)
 - Contact to Standards Staff
 - We will delete your old account and verify your new account.
- Parent organization Change (your company is not changed.)
 - Contact to Standards Staff
 - We will change your affiliate and verify your account.
- 3.2.1.1 An ‘affiliate’ of a parent organization is any other entity that (1) is majority-owned or controlled by the parent organization or (2) is under common majority ownership or control of the parent organization.
- ‘Majority-owned’ or ‘majority ownership’ means the parent organization holds more than 50% of the voting equity securities of another business entity. ‘Control’ may include a variety of factors that give the parent organization the right, regardless of whether such right is ever exercised, to materially influence or direct management policies or decisions of another entity.

Global Staff Assignment - Japan

- Mizue Iwamura
 - Automation Technology
 - Information & Control
 - Facilities
 - Gases
 - Liquid Chemicals
 - Photovoltaic
 - Photovoltaic Materials
- Chie Yanagisawa
 - 3D Packaging & Integration
 - EHS
 - FPD M&C
 - FPD Meteorology
 - Metrics
 - Physical Interfaces & Carriers
 - Traceability
- Junko Collins
 - Compound Semiconductor Materials
 - Silicon Wafer
 - (JRSC)

Global Staff Assignment - North America

- Kevin Nguyen
 - Compound Semiconductor Materials
 - EHS
 - Microlithography
 - Photovoltaic
 - Photovoltaic Materials
 - Silicon Wafer
- Inna Skvortsova
 - Automated Test Equipment
 - HB-LED
 - Information & Control
 - Liquid Chemicals
 - Metrics
 - Traceability
- Laura Nguyen
 - 3D Packaging & Integration
 - Facilities
 - Gases
 - MEMS / NEMS
 - Physical Interfaces & Carriers

Global Staff Assignment – Other regions

- China
 - Isadra Jin
 - HB-LED
 - PV
 - PV Materials
- EU
 - James Amano and Kevin Nguyen
 - Automation Technology
 - Compound Semiconductor Materials
 - Gases
 - Information & Control
 - Liquid Chemicals
 - Metrics
 - Physical Interfaces & Carriers
 - PV Materials
 - Silicon Wafer
- Korea
 - Natalie Shim
 - Facilities
 - FPD Metrology
 - FPD Materials & Components
 - Information & Control
- Taiwan
 - Dean Chang, Tiffany Huang
 - 3D Packaging & Integration
 - Automation Technology
 - EHS
 - FPD Metrology
 - Information & Control
 - PV

Global Staff Assignment - International

- James Amamo
 - ISC
- Kevin Nguyen
 - Regulation
 - Audit & Review

Thank you