

# SEMI Standards Staff Report

**November 28, 2018 v1.0**

SEMI Japan

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# SEMI Global 2018 Calendar of Events

Event Name	Event Details
<b>SEMICON<sup>®</sup></b> <b>WEST</b>	July 10-12 San Francisco, CA
<b>SEMICON<sup>®</sup></b> <b>TAIWAN</b>	Sept 5-7 Taipei, Taiwan
<b>SEMICON<sup>®</sup></b> <b>EUROPA</b>	Nov 13-16 Munich, Germany
<b>SEMICON<sup>®</sup></b> <b>JAPAN</b>	Dec 12-14 Tokyo, Japan

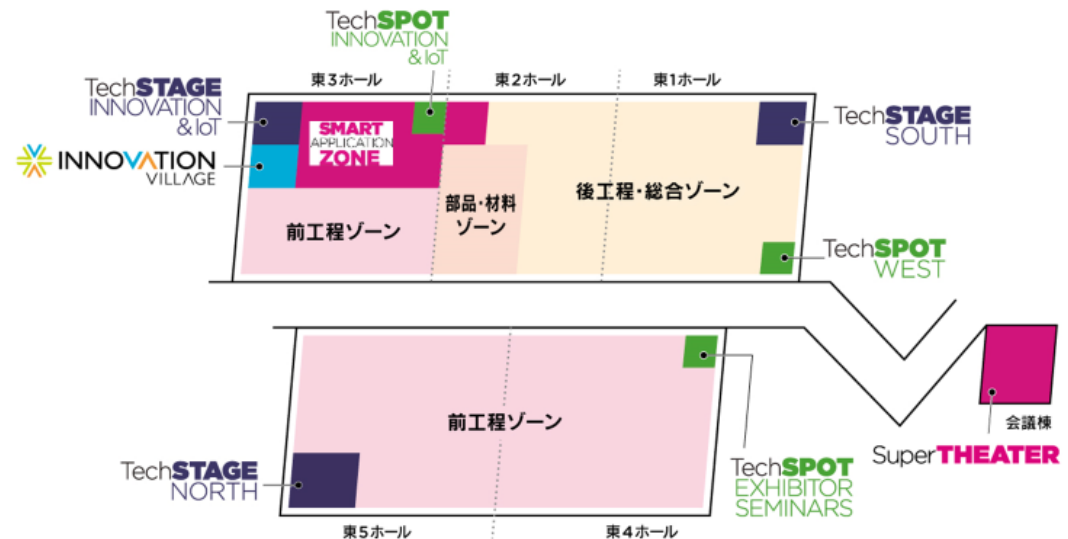
# SEMI Global 2019 Calendar of Events

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

# SEMICON Japan 2018

- 日時：2018年12月12日（水）～14日（金）
- 会場：東京ビッグサイト
- 規模：780社 1,800小間
- 延べ来場者：70,000名

## SEMICON Japan 2018 全体レイアウト



# SEMICON Japan Twitter Account

- Please follow us on twitter for SEMICON Japan information.
  - @semicon\_jpn



The image shows a screenshot of the SEMICON Japan Twitter account. The header features large Japanese characters 'マシコンが起' and the event dates 'DEC 12-14, 2018 | TOKYO BIG SIGHT |'. Below this is a banner with a pink and purple background. The profile picture is a cartoon character wearing a pink cap and a pink shirt. The profile name is 'SEMICON JAPAN' and the handle is '@semicon\_jpn'. The bio describes SEMICON Japan as a mascot character for the event, which is a semiconductor manufacturing event. It mentions that the event is a world-class international exhibition and that it will provide the latest information on semiconductor industry trends and events. The bio also includes a link to the official Facebook page: 'on.fb.me/1a2RbKi'. The bio is followed by the website 'semiconjapan.org' and the date '2013年7月に登録'. The tweet section shows a tweet from SEMICON Japan (@semicon\_jpn) dated November 23rd. The tweet is in Japanese and asks for the smallest size among the following options: (A) CPU processing size of the latest smartphone, (B) diameter of the influenza virus, and (C) diameter of the human eye. The tweet has 1,690 retweets, 341 followers, 520 followers, 210 likes, and 3 lists.

マシコンが起  
DEC 12-14, 2018 | TOKYO BIG SIGHT |

  
**SEMICON JAPAN**  
@semicon\_jpn

SEMICON Japan マスコットキャラクターのセミコンケイです。セミコン・ジャパンは半導体製造を中心に、エレクトロニクスすべてのサプライチェーンを繋ぐ世界を代表する国際展示会。ここでは半導体産業の動向やイベント最新情報などをお伝えしていきます。公式Facebook: [on.fb.me/1a2RbKi](https://on.fb.me/1a2RbKi)

[semiconjapan.org](https://semiconjapan.org)  
2013年7月に登録

ツイート 1,690   フォロー 341   フォロワー 520   いいね 210   リスト 3

ツイート   ツイートと返信   メディア

 **SEMICON Japan** @semicon\_jpn · 11月23日  
【金曜日はクイズの日】  
以下の中で一番サイズが小さいのはどれ？  
(A) 最先端スマホのCPUの加工寸法  
(B) インフルエンザウイルスの直径  
(C) 蚊の単眼の直径



# スタンダード会議（技術委員会 & JRSC）

- JRSC (Invitation Only)
  - Tuesday, December 11 SEMI (Japan office)
- Liquid Chemicals
  - Wednesday, December 12, 13:00-15:00
- Traceability
  - Wednesday, December 12, 10:00-12:00
- Physical Interfaces & Carriers
  - Wednesday, December 12, 14:00-17:00
- Metrics
  - Thursday, December 13, 13:00-17:00
- Silicon Wafers
  - Thursday, December 13, 14:00-17:00
- Information & Control
  - Friday, December 14, 13:00-17:00
- Environmental, Health & Safety
  - Friday, December 14, 13:00-16:00

# SEMIスタンダード授賞式 フレンドシップパーティ

12月13日(木) 17:30-19:00

会議棟 6F 608 会議室

本年度受賞者

功労賞

榎並弘充氏（日立ハイテクノロジーズ）

鈴木勲氏（日本エム・ケー・エス）

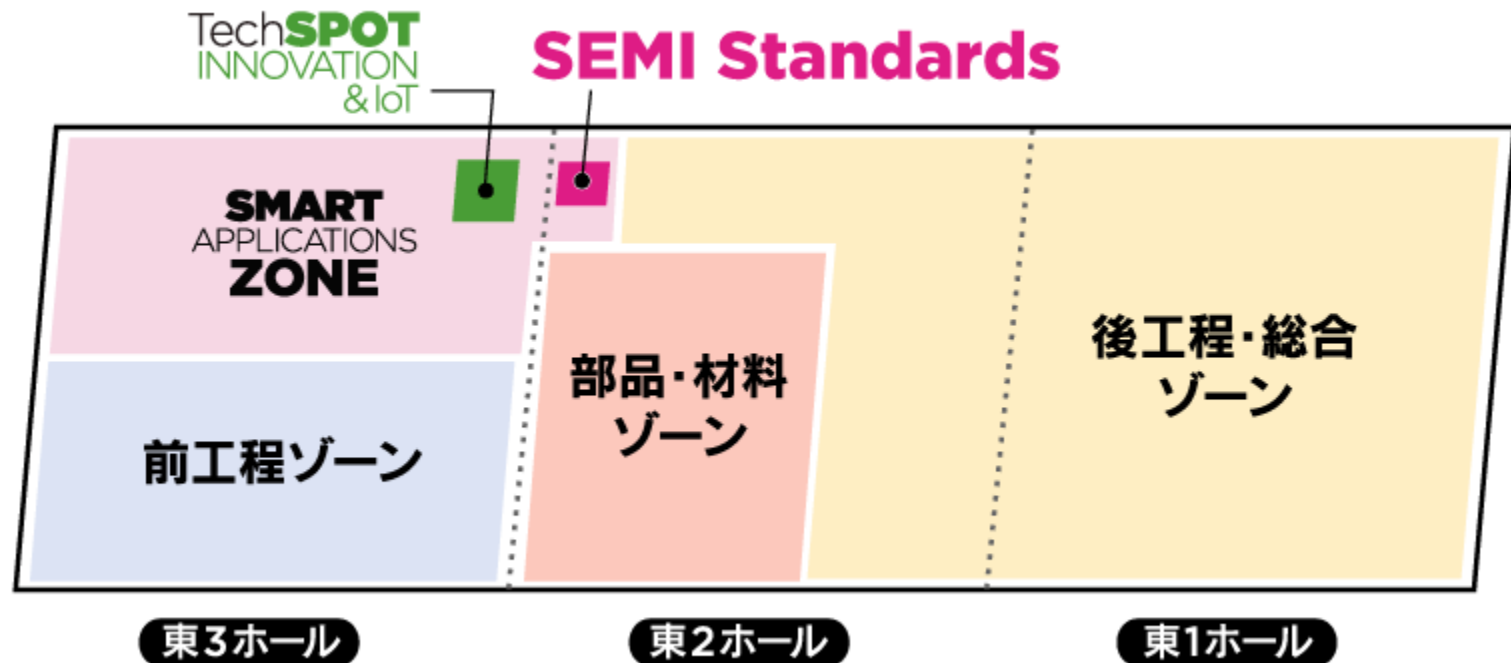


# スタンダード関連セミナー

- IoTとサプライチェーンのトレサビリティ
  - 12月12日（水） 11:00-12:40
  - 会議棟6階 607
- EDA Workshop
  - 12月12日（水） 14:00-17:00
  - 会議棟6階 607
- 半導体工場運用のスマート化を向上させるSEMIのファクトリー・オートメーション・スタンダード
  - 12月12日（水） 11:20-12:10
  - 東3ホールTechSPOT/INNOVATION&IOT
- PLPの展開を加速するための課題 ー何を規格化すべきか？ー
  - 12月13日（木） 10:20-11:10
  - 東3ホールTechSPOT/INNOVATION&IOT
- コネクティッド・ファクトリーを実現するスマートM2MインターフェイスSEMI A1
  - 12月13日（木） 11:20-12:10
  - 東3ホールTechSPOT/INNOVATION&IOT

# スタンダード・ブース SEMI Standards

3D パッケージングに関する情報や半導体製造、SMTなどの製造ラインをスマート化するSEMIのスタンダード群の紹介



# Global Standards Meeting Schedule

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

- November 30, 2018  
Gases Japan TC Chapter and Facilities Japan TC Chapter Joint Meeting  
SEMI Japan Office
- November 5-8, 2018  
NA Standards Fall 2018 Meetings  
SEMI HQ in Milpitas, California, USA
- November 13-14, 2018  
Europe Standards Meetings  
ICM, Munich, Germany
- December 11-14, 2018  
SEMICON Japan 2018 Standards Meetings  
SEMI Japan Office(December 11)  
Tokyo Big Sight, Tokyo, Japan (December 12-14)
- December 18, 2018  
3D Packaging and Integration Taiwan TC Chapter  
SEMI Taiwan Office
- December 19, 2018  
Photovoltaic Taiwan TC Chapter  
ITRI Office
- December 19, 2018  
Automation Technology Japan TC Chapter  
SEMI Japan Office
- December 21, 2018  
FPD Metrology Taiwan TC Chapter  
ITRI Office
- January 24, 2019  
Information & Control Korea TC Chapter  
COEX, in conjunction with SEMICON Korea 2019
- February 8, 2019  
FPD Materials & Components Japan TC chapter  
SEMI Japan Office
- February 20, 2019  
Automation Technology Taiwan TC Chapter  
SEMI Taiwan Office
- February 22, 2019  
3D Packaging and Integration Japan TC Chapter  
SEMI Japan Office
- March, 2018 (Tentitive)  
Information & Control Taiwan TC Chapter  
SEMI Taiwan Office
- March 20, 2019  
EHS Taiwan TC Chapter  
SEMI Taiwan Office
- March 29, 2019  
HB-LED China TC Chapter  
SEMI China Office
- April, 2019 (Tentitive)  
NA Standards Spring 2019 Meetings  
SEMI HQ in Milpitas, California, USA
- April 26, 2019  
PV & PV Materials China TC Chapter  
SEMI China Office

# 2018 Critical Dates for SEMI Standards Ballots







<b>2018</b>	<b>Ballot Submission Deadline</b>	<b>Voting Opens</b>	<b>Voting Closes</b>
<b>Cycle 8</b>	Oct 12	Oct 26	Nov 26
<b>Cycle 9</b>	Nov 14	Nov 28	Dec 28

<http://www.semi.org/en/Standards/Ballots>

# 2019 Critical Dates for SEMI Standards Ballots

<b>2018</b>	<b>Ballot Submission Deadline</b>	<b>Voting Opens</b>	<b>Voting Closes</b>
<b>Cycle 1</b>	Jan 3	Jan 16	Feb 15
<b>Cycle 2</b>	Feb 1	Feb 15	Mar 18
<b>Cycle 3</b>	Mar 12	Mar 26	Apr 25
<b>Cycle 4</b>	Apr 16	Apr 30	May 30
<b>Cycle 5</b>	May 10	May 24	Jun 24
<b>Cycle 6</b>	July 19	July 31	Aug 30
<b>Cycle 7</b>	Aug 22	Sept 4	Oct 4
<b>Cycle 8</b>	Oct 11	Oct 25	Nov 25
<b>Cycle 9</b>	Nov 14	Nov 26	Dec 26

# A&R Ballot Review (2018)

A&R Cycle	Result	Notes
January 2018	 ISCA&RSCJan2018WebVotingSummaryv	<b>5880: failed.</b> Reason: The TC Chapter review of the Letter Ballot took place and completed on a date other than the date described in the Background Statement of the Letter Ballot, which is violation of ¶ 9.5 of the Regulations.
March 2018	 ISCA&RSCMarch2018WebVotingSummary	All passed.
May 2018	 ISCA&RSCMay2018WebVotingSummary	All passed
July 2018	 ISCA&RSCJuly2018WebVotingSummary	<b>6302A-LI1, 6304A, 6305A-LI1, 6306A-LI1, 6307A-LI1 and 6308A-LI1 failed.</b> Reasons: -Identical situation for all six documents -A number of procedural requirements were not followed in the re-balloting of these documents -Regarding a Negative that pointed out legitimate procedural issues as “Not Related” is procedurally wrong
Aug. 2018	 ISCA&RSCAugust2018WebVotingSummary	<b>6333-LI1, -LI2, LI3 failed.</b> 6374 and 6376 should be on hold until an editorial change to include a footnote references the organization that has ownership of the trademark is implemented.
Oct. 2018	 ISCA&RSCOct2018WebVotingSummary	All passed

# SEMI Standards Publications

Cycle	New	Revised	Reapproved	Withdrawn
April 2018	0	9	2	0
May 2018	0	3	5	0
June 2018	2	14	11	0
July 2018	0	3	21	0
August 2018	2	11	4	0
September 2018	0	8	1	0
October 2018	7	8	12	0

- Total SEMI Standards in portfolio: 996
  - Includes 252 Inactive Standards

# SEMI Standards Publications

## New Standards

Cycle	Designation	Title	Committee	Region
June 2018	SEMI C96	Test Method for Determining Density of Chemical Mechanical Polish (CMP) Slurries	Liquid Chemicals	NA
June 2018	SEMI D77	Test Method for Measurements of Dimension of Films for FPD – Contour Matching Method	FPD Materials & Components	JA
August 2018	SEMI PV84	Test Method for Polymer Foil Dependent Discoloration of Silver Fingers on Photovoltaic Modules	Photovoltaic	China
August 2018	SEMI HB09	Test Method and Acceptance Criteria for Visual Inspection of Surface Defects of GaN Epitaxial Wafers Used for Manufacturing HB-LED	HB-LED	China



# SEMI Standards Publications

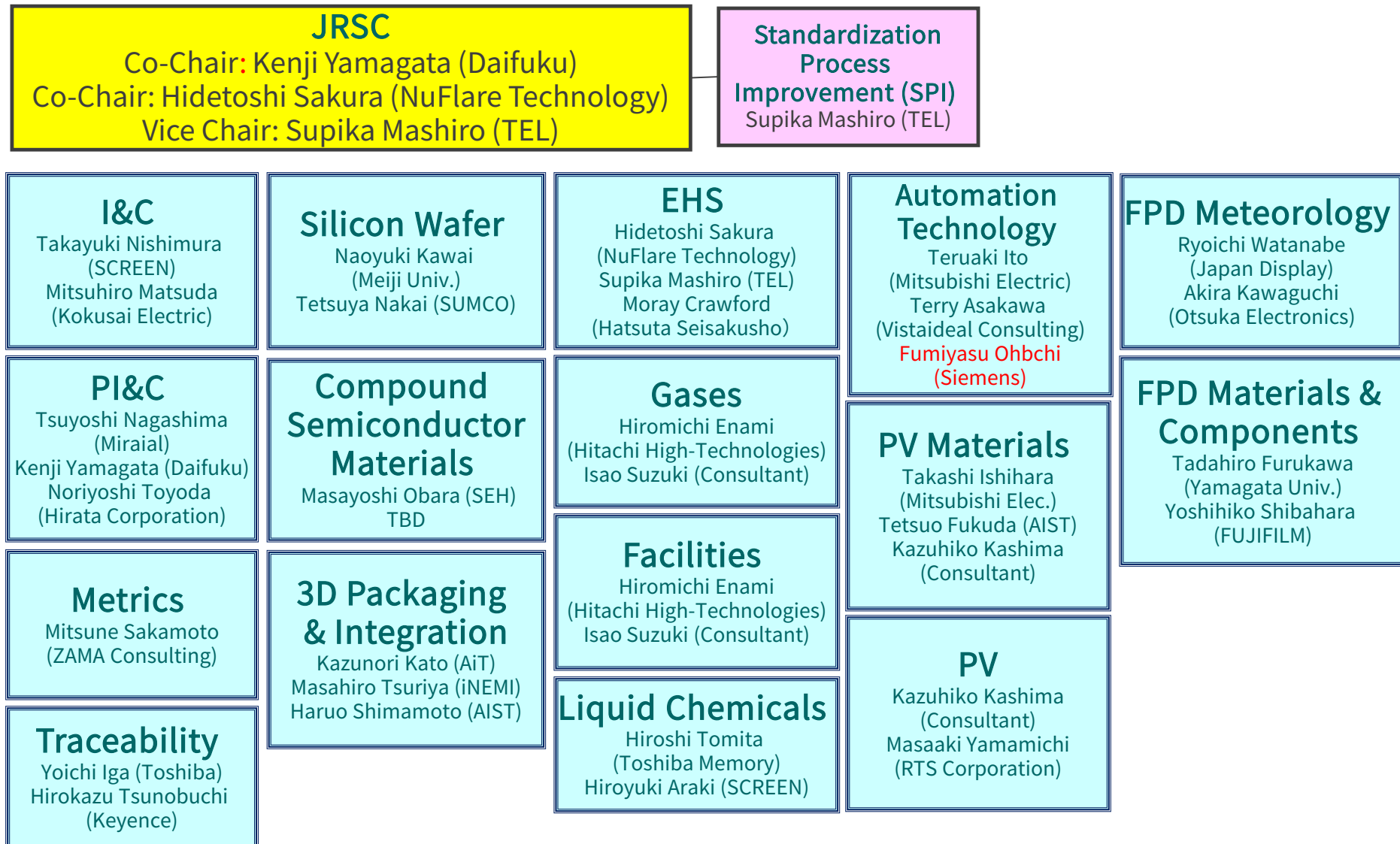
## New Standards

Cycle	Designation	Title	Committee	Region
October 2018	SEMI 3D18	Guide for Wafer Edge Trimming for 3DS-IC Process	3D Packaging & Integration	Taiwan
October 2018	SEMI D78	Test Method of Water Vapor Barrier Property for Plastic Films with High Barrier for Electronic Devices	FPD - Materials & Components	Japan
October 2018	SEMI HB10	Specification for Single Crystal Sapphire Intended for Use for Manufacturing HB-LED Wafers	HB-LED	China
October 2018	SEMI PV85	Practice for Metal Wrap Through (MWT) Back Contact Photovoltaic (PV) Module Assembly	Photovoltaic	China
October 2018	SEMI PV86	Specification for Crystalline Silicon Photovoltaic Module Dimensions	Photovoltaic	China
October 2018	SEMI PV87	Test Method for Peeling Force Between Electrode and Ribbon/Back Sheet	Photovoltaic	China
October 2018	SEMI PV88	Test Method for Determination of Hydrogen in Photovoltaic (PV) Polysilicon by Inert Gas Fusion Infrared Absorption Method	Photovoltaic	China

# JRSC Topics

- Membership
  - New AT Japan TC Chapter Co-chair
    - シーメンス（株）大渕文晴氏
- 2018年度プランニング会議
  - 開催日時：2018年8月24日（金）13:30-17:30
  - 場所：SEMIジャパン会議室
  - 参加者 :19名
    - 委員長、タスクフォースリーダー、スタッフ、その他興味のあるメンバー
  - トピックス：
    - 規約改訂内容解説
    - Virtual Meeting模擬会議実施
      - Fire Appにおける参加者認証、投票および投票集計機能は評価できるが、会議運営上必要な機能およびその表示の仕方については課題がまだ沢山ある。
      - Fire Appの階層化なども含め今回の出された課題をフィードバックする。
  - 会議後懇親会

# JRSC Organization Chart



# SEMI通信（2018年）

テーマ募集中!!

- 2018\_01\_2017年度SEMIジャパン・スタンダード賞はSCREENセミコンダクターソリューションズの西村剛幸氏が受賞
- 2018\_02\_3D Packaging & Integrationグローバル技術委員会の始動とPLPパネルサイズ規格化の取り組み状況
- 2018\_03\_レガシーなパッケージ技術から三次元チップ実装技術、さらにFan-out Wafer LevelやPLP技術への標準化活動の遍歴について
- 2018\_04\_Fan-Out Wafer LevelやPLP技術への標準化活動の具体的な取り組み状況
- 2018\_05\_次世代SEMI Equipment Data Acquisition (EDA) スタンダードより良く、より効率的なデータ転送のためのHTTP/2技術の適用
- 2018\_06\_スマートファクトリーのための業界コラボレーション - SMT-PCBパネルとその関連情報とを転送するマシンツーマシン（M2M）通信インターフェース標準の開発に関するJARAとSEMIのコラボレーション
- 2018\_07\_FO-PLP製造工程及び主な技術課題についての紹介
- 2018\_08\_FO-WLP/PLPに使われるキャリア材及び基板材料の技術紹介と課題について
- 2018\_09\_SEMI D77-0618: 輪郭照合法を用いた、異型偏光板の形状測定方法の標準化について
- 2018\_10\_半導体工場のスマート・マニュファクチャリング実現にむけた次世代のレシピ・セキュリティ
- 2018\_11\_FO-PLP Panel Level Packageの標準化活動/材料紹介

# Global Staff Assignment - Japan

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

# 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



The background of the slide is a solid red color. It features several white hexagonal shapes of varying sizes and opacities scattered across the surface. Some hexagons are solid white, while others are semi-transparent, creating a layered effect. The hexagons are positioned in the upper and middle sections of the slide, with some appearing near the top edge and others further down.

# Thank you