

SEMI Staff Report

November 2020

v1

SEMI Global

2020 & 2021 Calendar of Events



Event Name	Event Details
SEMICON[®] JAPAN	December 11- 18, 2020 [Virtual Event] Tokyo, Japan
SEMICON[®] KOREA	February 3-5, 2021 Seoul, Korea
SEMICON[®] CHINA	March 17-19, 2021 Shanghai, China
SEMICON[®] SOUTHEAST ASIA	May 18-20, 2021 Penang, Malaysia
SEMICON[®] WEST	July 13-15, 2021 San Francisco, CA
SEMICON[®] TAIWAN	Sept 8-10, 2021 Taipei, Taiwan

Upcoming 2021 NA Meetings



Event Name	Date/Venue
NA Standards Spring Meetings	March 29-April 1 SEMI HQ, Milpitas, California [tentative]
SEMICON West	July 12-15 San Francisco, California [tentative]
NA Standards Fall Meetings	November 1-4 SEMI HQ, Milpitas, California [tentative]

Critical Dates for SEMI Standards Ballots



2020	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 8	October 9	October 23	November 23
Cycle 9	November 10	November 23	December 23
2021			
Cycle 1	January 5	January 19	February 18
Cycle 2	January 29	February 10	March 12
Cycle 3	March 9	March 23	April 22
Cycle 4	April 14	April 28	May 28

<https://www.semi.org/en/collaborate/standards/ballots>

SEMI Standards Publications



- Total SEMI Standards in portfolio: **1,027**
 - Includes 274 Inactive Standards

Cycle	New	Revised	Reapproved	Withdrawn
July 2020	0	4	0	0
August 2020	1	4	2	0
September 2020	0	3	0	0
October 2020	1	5	3	0

SEMI Standards Publications



- New Standards

Cycle	Designation	Title	Committee	Region
August 2020	SEMI PV95	Test Method for Metal Wrap Through Solar Cell Via Resistance	Photovoltaic	CH
October 2020	SEMI PV96	Guide for the Design of Testing and Sorting Equipment for Crystalline Silicon Solar Cells	Photovoltaic	CH

SEMI Standards Publications

- Inactive Standards

Committee	Number of Inactive Standards
Assembly & Packaging	48
Automated Test Equipment	2
Compound Semiconductor Materials	4
Environmental Health & Safety	8
Facilities	15
FPD – Equipment	5
FPD – Factory Automation	14
FPD – Materials & Components	13
Gases	18

SEMI Standards Publications



- Inactive Standards Cont.

Committee	Number of Inactive Standards
Information & Control	37
Liquid Chemicals	26
MEMS	3
Metrics	12
Micropatterning	30
Photovoltaic	1
Physical Interfaces & Carriers	19
Silicon Wafer	11
Traceability	8

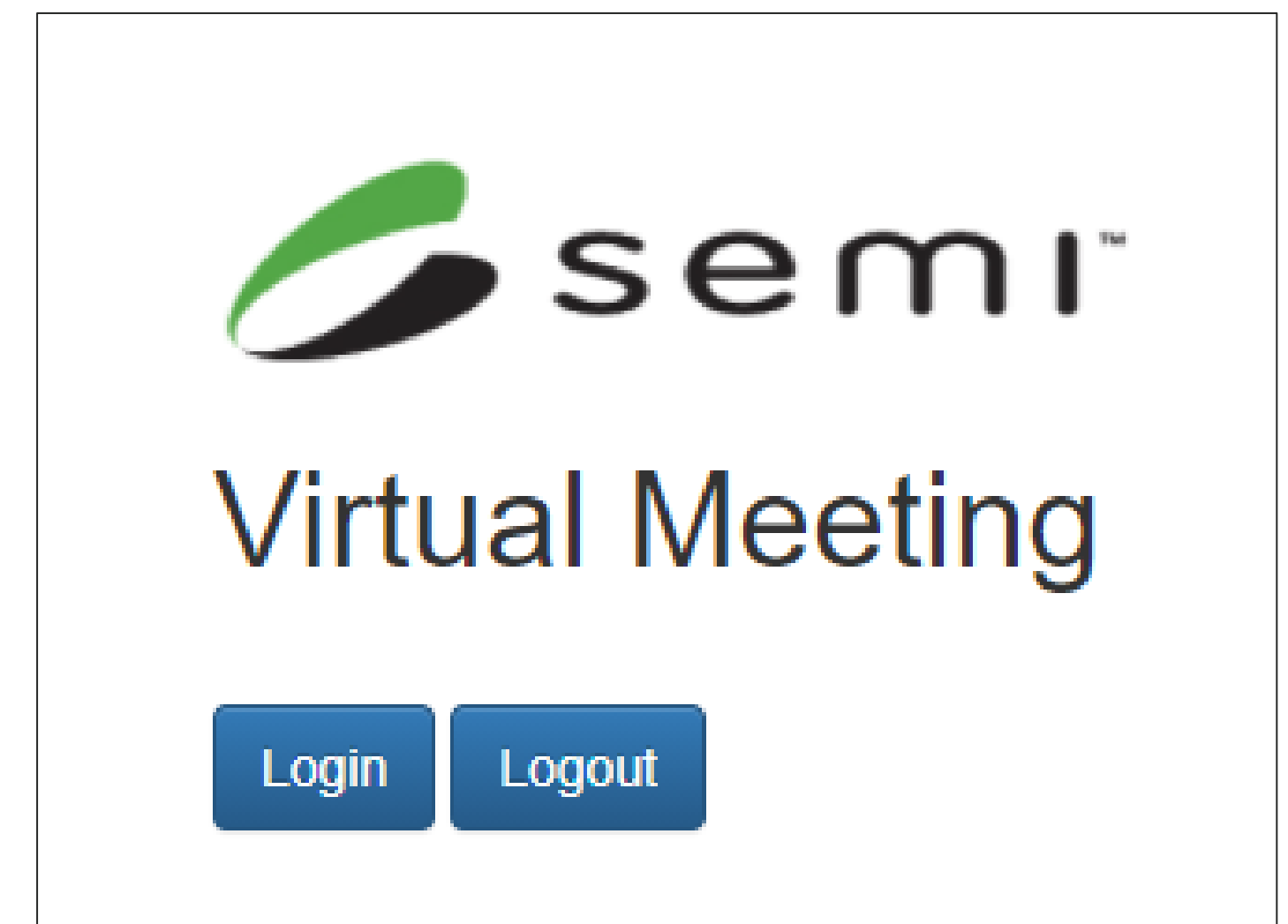
Regulations and Procedure Manual Update



- *Regulations* (November 5, 2020)
 - Clarification on § 6.5, Disbandment of a TC Chapter
 - Requires an RSC to disband a TC Chapter when it is shown to be inactive by failing to:
 - hold meetings for two consecutive years,
 - report activity to its RSC for two consecutive years, or
 - initiate new Standards Documents activities.
- *Procedure Manual* (November 5, 2020)
 - New § 6.1.3.4.1 defining detailed procedures for disbandment of inactive TC Chapters.

Official Virtual TC Chapter Meeting Rooms

- <https://svm.semi.org/>
 - Do not use Internet Explorer or MS Edge. These browsers have known issues.
- Click “Login”
- Enter your Standards membership username and password
 - Same as the one used for voting on ballots
- Username and password can be retrieved at:
<http://ams.semi.org/ebusiness/ForgotUID.aspx>



Enter a Meeting Room



2

Logout

Select Meeting

Committee	Room Name	Region	Start Date	End Date	Time	Enter
FPD - Metrology	Regs SC test	America	07/07/2020	07/07/2020	3:00 PM to 5:00 PM	<div>GO1</div>
FPD - Metrology	IT test	America	07/08/2020	07/09/2020	3:00 PM to 5:00 PM	<div>GO</div>
3D Packaging and Integration	test3	America	06/24/2020	07/08/2020	1 to 2	<div>GO</div>
3D Packaging and Integration	test 4	America	07/02/2020	07/09/2020	3:30pm to 5:00Pm	<div>GO</div>
Information and Control	Staff vs. Mashiro-san, Matsuda-san, 0716	Japan	07/16/2020	07/23/2020	1:00 to 23:00	<div>GO</div>
Silicon Wafer	Silicon Wafer NA TC Chapter meeting	America	04/02/2019	04/02/2019	09:00 to 12:00	<div>GO</div>
Photovoltaic	PV Taiwan TC Chapter	Taiwan	07/02/2020	07/02/2020	1:00 pm to 2:00 pm	<div>GO</div>

Meetings page displays scheduled TC Chapter Meetings.

1. Enter a Meeting Room, click “Go”
2. Remember to Log out of the Virtual Meeting App after the meeting has concluded.

Meeting Room

The screenshot shows the SEMI Standards Meeting Room interface. At the top, there are buttons for 'Meeting Rooms' (1), 'Logout' (2), and 'Logs' (3). Below these is the 'Program Member' section with the text 'FPD - Metrology' and 'IT test'. A 'Show Web & Conference Info' button (10) and a 'Hide Attendees' button (5) are located below the member information. The main content area, titled 'In the Meeting' (4), contains a table with columns for 'Interest Voter', 'Name', 'Company / Voting Interest', and 'TimeStamp'. The table lists two attendees: Supika Mashiro and Kevin Nguyen. Below the table are buttons for 'Request To Talk' (6), 'Cancel Request to Talk' (7), and 'Talking Queue' (8). At the bottom, there is a large empty box (9).

Interest Voter	Name	Company / Voting Interest	TimeStamp
<input type="checkbox"/> Request	Supika Mashiro	TEL / TEL	11:25
<input type="checkbox"/>	Kevin Nguyen	SEMI North America / SEMI	14:31

1. Return to List of Meeting Rooms
2. Logout of Virtual Meeting App
3. View Detailed Meeting Log
4. List of Attendees
5. Hide / Show List of Attendees
6. Show Request to talk
7. Cancel Request to talk
8. Display List of attendees waiting to talk
9. View for Active Agenda Topic or Motion and Voting Action
10. Show Web & Conference info

Arrange RingCentral and SVM side by side

Note: You may need to “Exit Full Screen”

The screenshot displays the RingCentral web interface. At the top, a green banner reads "You are viewing Kevin Nguyen's screen". Below it, the "View Options" dropdown menu is open, showing options: "Zoom Ratio", "Fit to Window", "Request Remote Control", "Annotate", and "Exit Full Screen". A red arrow points from the note above to the "Exit Full Screen" option. The background shows the SVM (Semi) interface with the following content:

- Meeting Rooms** | Logout | Logs | Data Logs Popout
- Program Member**
Hello, Laura Nguyen
- Facilities**
Facilities & Gases NA TC Chapter SVM Training
Hide Web & Conference Info
- For Computer: <https://meetings.ringcentral.com/j/1464998518>
For the best audio experience, please use computer audio.
- For Telephone:
Dial (for higher quality, dial a number based on your current location):
US: +1(213)2505700
+1(650)2424929
+1(345)9904201
+1(623)4049000 (US West)
+1(720)9027700 (US Central)
+1(470)8682200 (US East)
+1(646)3573664
+1(773)2319226 (US North)
+1(312)2630281
+1(469)4450100 (US South)
Meeting ID: 146 499 8518
International numbers available: <https://meetings.ringcentral.com/teleconference>
- Hide Attendees
- In the Meeting**
- Online - In Person - Presiding Chair
- Interest Voter | Name | Company / Voting Interest | Time Stamp
- | Laura Nguyen | Test / L.Nguyen-Test | 11:27

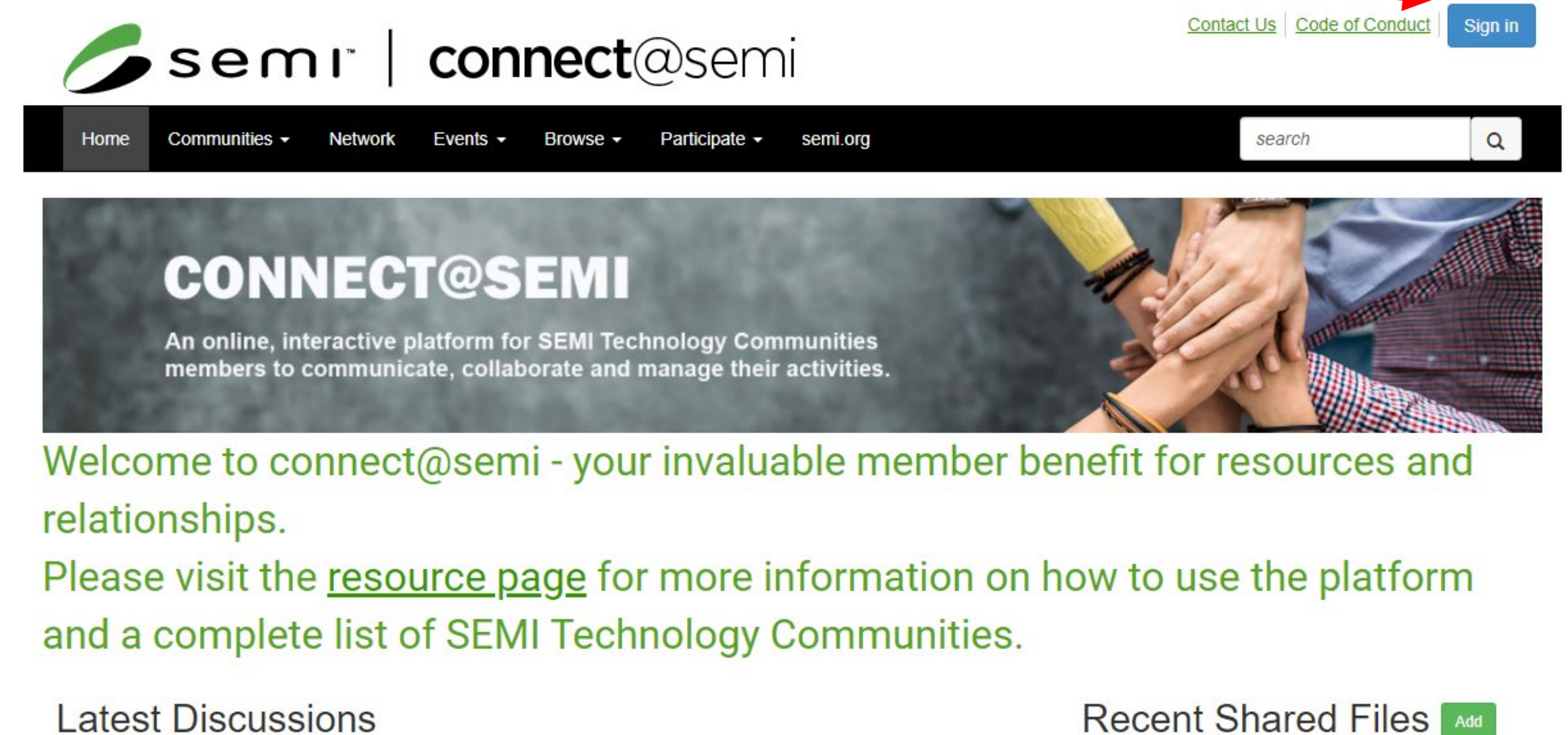
The RingCentral interface on the right shows the meeting details:

- Talking:** Yellowstone Conference R...
- Meeting Topic:** Yellowstone Conference Room's Personal Meeting Room
- Host:** Yellowstone Conference Room
- Invitation URL:** <https://meetings.ringcentral.com/j/2971065234>
[Copy URL](#)
- Participant ID:** 16
- Join Audio:** Computer Audio Connected
- Share**
- Invite Others**

The bottom of the screen shows the Windows taskbar with various application icons and the RingCentral meeting controls at the bottom right, including "Mute", "Start Video", "Invite", "Manage Participants", "Share", "Chat", "Record", and "End Meeting". The date and time are 11:28 AM 10/1/2020.

connect@semi

- Web link – <https://connect.semi.org>
 - Log in using Standards account (username and password)
- Program Member
 - Can join any task force(s)
 - Post discussion thread
- TF Leader/Community Admin
 - Add member(s)
 - Upload meeting minutes
 - Communicate with TF members
 - Contact your coordinator if a TF Site is desired



SNARF(s) Approved by GCS in between TC Chapter Meetings

- 6007, New Standard: Guide for Use of Test Patterns for Characterizing a Deep Reactive Ion Etching (DRIE) Process
 - To ballot in voting Cycle 5-2020
 - Approved by GCS on 05/12/2020
- 6007, New Standard: Guide for Use of Test Patterns for Characterizing a Deep Reactive Ion Etching (DRIE) Process
 - To ballot in voting Cycle 6 or 7-2020
 - Approved by GCS on 05/12/2020

Nonconforming Titles (See PM Appendix 4)

- None

SNARF 3-Year Status

(TC Chapter may grant a one-year extension)

- None

Five-Year Review



Designation #	Standard Title	Action By	Original TF assigned to
SEMI MS8-0309 (Reapproved 0915)	Guide to Evaluating Hermeticity of Microelectromechanical Systems (MEMS) Packages	Fall 2020	MEMS Packaging
SEMI MS3-0915	Terminology for MEMS Technology	Fall 2020	MEMS Terminology
SEMI MS4-0416	Test Method for Young's Modulus Measurements of Thin, Reflecting Films Based on the Frequency of Beams in Resonance	Spring 2021	MEMS/NEMS NA TC Chapter



Thank You