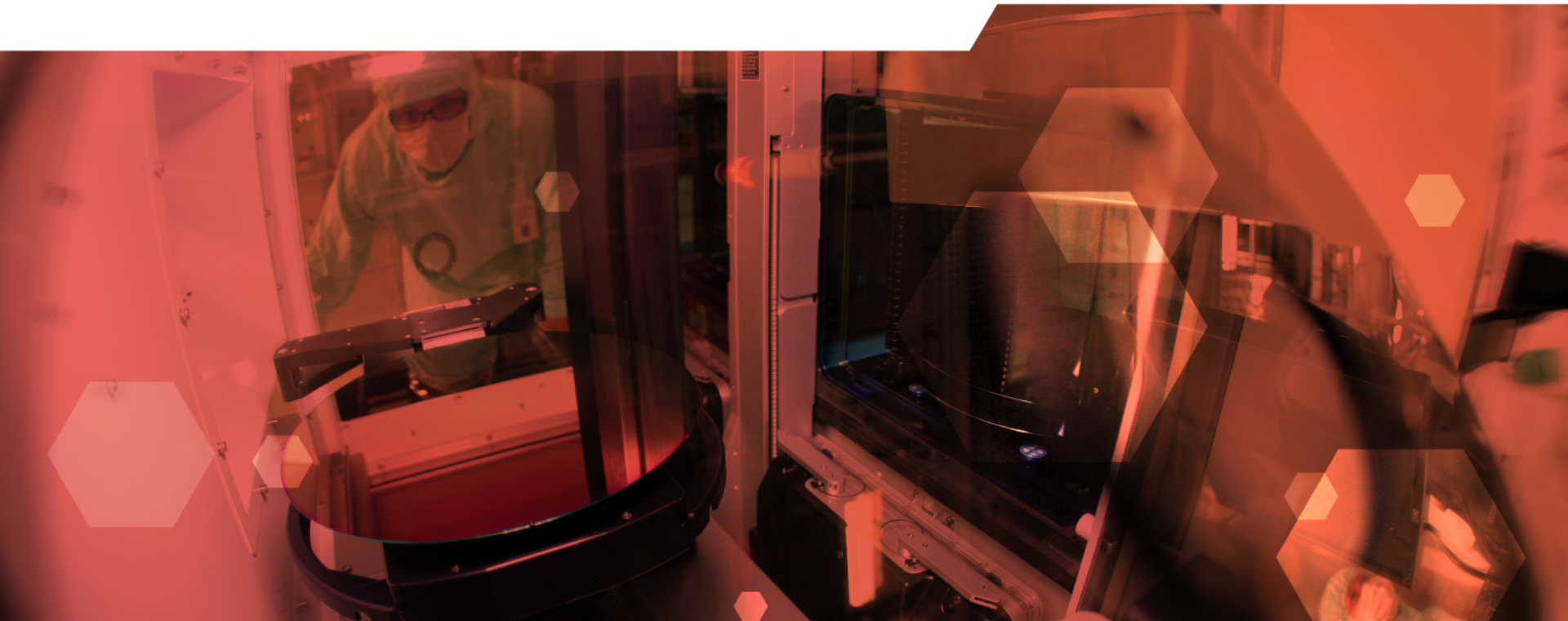


# SEMI Staff Report

**Daniel Qi**

**April 20, 2017**



# Outline

- SEMI Standards Overview
- SEMI Global 2017 Calendar of Events
- 2017 Critical Dates for SEMI Standards Ballots
- SEMI Standards Publications
- HB-LED Standards Publications Recently
- China HB-LED TC Update
- Enhance Task Force Management
- Core Members Attendance Record
- Necessary Info. from Website

# SEMI Standards Overview

- Established in 1973
- **970+** published Standards & Safety Guidelines
- **5000+** volunteer experts
  - 21 global Technical Committees
  - 195 global Task Forces
- **2000+** participating companies
- Experts from the semiconductor, PV, LED, MEMS & Display industries
- International presence
  - United States | Japan | Europe | Taiwan | Korea | China



Exchange ideas and develop globally-accepted technical Standards



# SEMI Global 2017 Calendar of Events

Event Name		Event Details
	SEMICON China	March 14-16, 2017 Shanghai, China
	SEMICON Southeast Asia	April 25-27, 2017 Penang, Malaysia
	2017Flex	June 19-20, 2017 Monterey, California
	SEMICON West	July 11-13, 2017 San Francisco, California
	SEMICON Taiwan	September 13-15, 2017 Taipei, Taiwan
	PV Taiwan	October 18-20, 2017 Taipei, Taiwan
	SEMICON Japan	December 13-15, 2017 Tokyo, Japan



# 2017 Critical Dates for SEMI Standards Ballots

2017	Ballot Submission Due Date	Voting Period Starts	Voting Period Ends
Cycle 1	January 3, 2017	January 17, 2017	February 16, 2017
Cycle 2	February 3, 2017	February 17, 2017	March 20, 2017
Cycle 3	March 7, 2017	March 21, 2017	April 20, 2017
Cycle 4	April 14, 2017	April 25, 2017	May 25, 2017
Cycle 5	May 12, 2017	May 26, 2017	June 26, 2017
Cycle 6	July 21, 2017	August 1, 2017	August 31, 2017
Cycle 7	August 18, 2017	September 1, 2017	October 2, 2017
Cycle 8	October 13, 2017	October 27, 2017	November 27, 2017
Cycle 9	November 16, 2017	November 29, 2017	December 29, 2017

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



# SEMI Standards Publications

Cycle	New	Revised	Reapproved	Withdrawn
November 2016	5	9	0	0
December 2016	0	2	0	0
Juanuary 2017	1	4	4	0
February 2017	1	9	2	0

- Total SEMI Standards in portfolio: 972
  - HB-LED Committee issued standards: 8

# HB-LED TC Published Standards (1/2)

- **SEMI HB1-0816**, Specifications for Sapphire Wafers Intended for Use for Manufacturing High Brightness-Light Emitting Diode Devices /用于生产高亮LED的蓝宝石晶片规范
- **SEMI HB2-0613**, Specification for 150 mm Open Plastic and Metal Wafer Cassettes Intended for Use for Manufacturing HB-LED Devices/用于生产高亮LED的150mm塑料和金属晶片盒规范
- **SEMI HB3-1113**, Mechanical Interface Specification for 150 mm HB-LED Load Port/150mm HB-LED下载口的机械接口规范
- **SEMI HB4-0913**, Specification of Communication Interfaces for High Brightness LED Manufacturing Equipment (HB-LED ECI)/HB-LED生产设备通信接口规范

# HB-LED TC Published Standards (2/2)

- **SEMI HB5-0615**, Test Method for Measurement of Saw Marks on Crystalline Sapphire Wafers by Using Optical Probes/用光学探测法测量蓝宝石晶片的锯标记
- **SEMI HB6-0615**, Test Method for Measurement of Thickness and Shape of Crystalline Sapphire Wafers by Using Optical Probes/用光学探测法测量蓝宝石晶片的厚度和形状
- **SEMI HB7-0615**, Test Method for Measurement of Waviness of Crystalline Sapphire Wafers by Using Optical Probes/用光学探测法测量蓝宝石晶片的波痕
- **SEMI HB8-0217**, Test Method for Determining Orientation of a Sapphire Single Crystal/单晶定向检测方法





# China HB-LED TC Chapter Update

- Ran 3+ years
- 7 TC Chapter meetings
- 5 task forces
- 5 standards in the pipe line
- 1 published standard
- 17 core members



# Core Members Attendance Record

No	公司	姓名	1	2	3	4	5	6	7
			2014/5/22	2014/9/19	2015/4/10	2015/9/18	2016/4/21	2016/10/14	2017/4/20
1	贵州皓天光电科技有限公司	季 泳							
2	三安光电股份有限公司	蔡伟智							
3	哈尔滨奥瑞德蓝宝石制品有限公司	杨鑫宏							
4	合肥晶合集成电路有限公司	黄宏嘉							
5	江苏中能科技发展有限公司	刘逸枫							
6	中微半导体设备（上海）有限公司	李天笑							
7	哈尔滨工业大学	甘 阳							
8	Monocrystal	牛崇实							
9	浙江东晶博蓝特光电有限公司	刘建哲							
10	南京京晶光电科技有限公司	郑松森							
11	哈尔滨奥瑞德蓝宝石制品有限公司	左洪波							
12	浙江亚威朗科技有限公司	闫春辉							
13	徐州同鑫光电科技股份有限公司	魏明德							
14	华灿光电股份有限公司	王江波							
15		武良文							
16	福建晶安光电有限公司	陈铭欣							
17	苏州纳维科技有限公司	徐 科							

	参加
	请假
	无故不出席
	未加入委员会
	退出委员会



# Necessary Info. from Website

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

- [SEMI Standards Table of Contents](#)
- [Search Standards](#)
- [Current Committee & Task Force Organization Chart](#)
- [Committee & Task Forces Charters and Scopes](#)
- [Approved TFOFs & SNARFs](#)
- [Upcoming Events Calendar](#)
- [Committee Meeting Minutes](#)
- [Recent Committee Express Reports](#)
- [Ballots available for voting](#)
- [Membership Applications](#)
- Wechat: SEMI中国LED&蓝宝石交流群

# Thank you!

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# Next Meeting

- China Standards Fall Meeting 2017
  - Date: Wednesday Oct 18, 2017
  - Venue: TBD