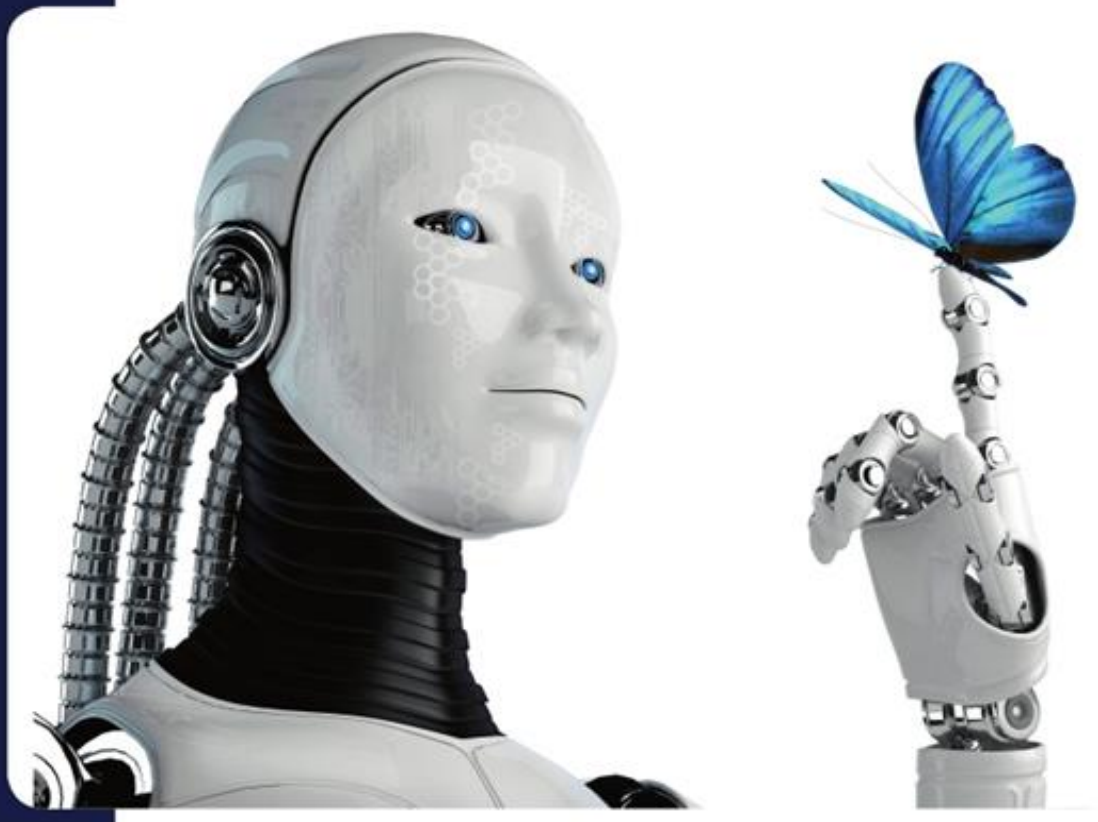
Newsletter
December, 2020

ICR



Address :3611, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do , South Korea (10048)
Company Id No : 110111-243147
Tax & VAT Id No : 105-86-35114
Tel : (+82)2-6351-9001~5 / Fax : (+82)2-6351-9007
Home page : www.icrqa.com

Hot Issue

1. 2020 Auditor Training Course
2. SEMI Safety Standards Education 2020
3. WiFi6E (WiFi 6 GHz)

Address :3611, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do , South Korea (10048)
Company Id No : 110111-243147
Tax & VAT Id No : 105-86-35114
Tel : (+82)2-6351-9001~5 / Fax : (+82)2-6351-9007
Home page : www.icrqa.com

2020 Auditor Training Course

- ICR International Certification Registrar Ltd. Is an auditor training provider directly registered to Exemplar Global.
- ICR held an **auditor training course in October-November 2020.**
- Through the AU, TL, FS and MD courses, all the trainees have completed the training so that the students can be qualified for each module.
- Our training teaches auditors how to provide impartial audits based on objective evidence.

☎ Inquiries

System Certification Div. / Kim, Chae-Lin

T.02-6351-9001 / kcl@icrqa.com

SEMI Safety Standards Education 2020

▣ **ICR** participated in **'SEMI Safety Standards Education 2020'** to introduce the contents of standards and examples of evaluation to semiconductor manufacturers based on their expertise and technology in **SEMI Evaluation.**

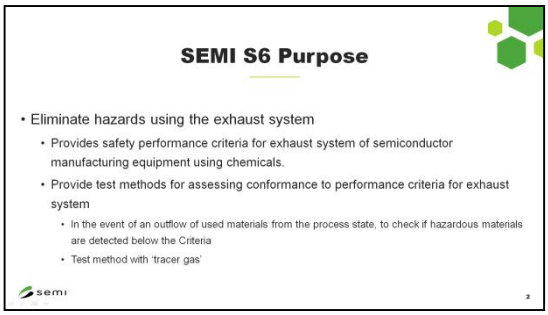
중급과정 - 10월 23일 (금)

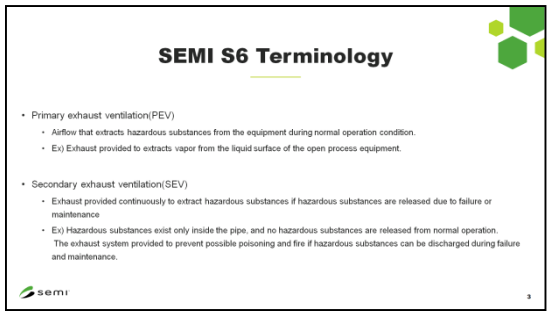
9:00 am - 9:50 am	I C R	[SEMI S6] Safety Guideline for Exhaust of Semiconductor Manufacturing Equipment (Part 1)
9:50 am - 10:40 am		[SEMI S6] Safety Guideline for Exhaust of Semiconductor Manufacturing Equipment (Part 2)
10:40 am - 10:50 am		Break
10:50 am - 11:30 am	I C R	[SEMI S6] Exhaust Performance Evaluation Procedures and Cases (Part 1)
11:30 am - 12:30 am		[SEMI S6] Exhaust Performance Evaluation Procedures and Cases (Part 2)

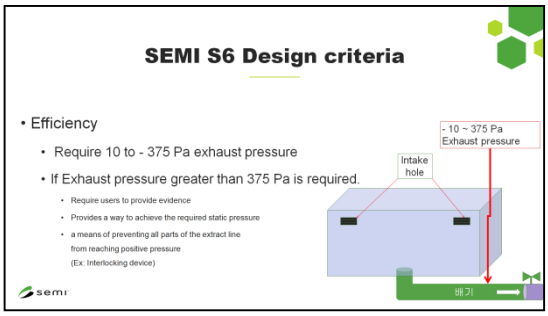
Address :3611, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do , South Korea (10048)
Company Id No : 110111-243147
Tax & VAT Id No : 105-86-35114
Tel : (+82)2-6351-9001~5 / Fax : (+82)2-6351-9007
Home page : www.icrqa.com

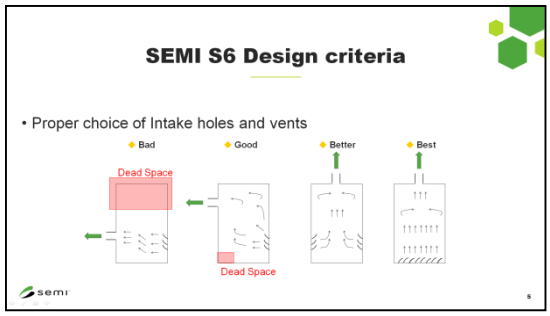
SEMI Safety Standards Education 2020

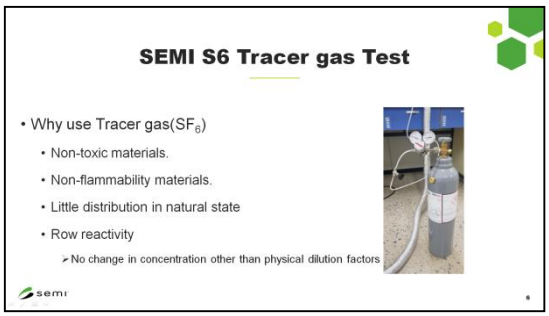
▣ **ICR** provided training on **'SEMI S6 - Safety Guidelines for Exhaust of Semiconductor Manufacturing Equipment and Exhaust Performance Evaluation Procedures and Cases'** and focused on easy understanding of standards **and test procedures.**

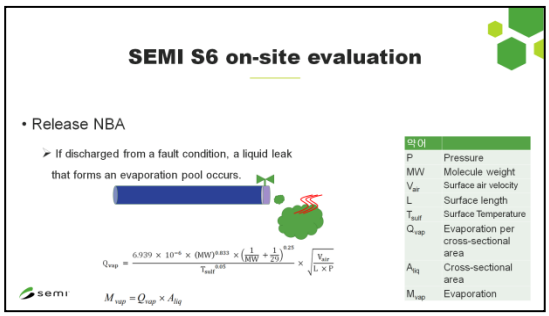












Address :3611, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do , South Korea (10048)

Company Id No : 110111-243147
Tax & VAT Id No : 105-86-35114

Tel : (+82)2-6351-9001~5 / Fax : (+82)2-6351-9007
Home page : www.icrqa.com

SEMI Safety Standards Education 2020

▣ **Experienced engineers** at **ICR** provide services by conducting **SEMI evaluation and testing <Tracer gas test (SEMI S6), Voltage sag test (SEMI F47), electrostatic test (SEMI E78), etc.>** for semiconductor machinery.

▣ ICR Engineers (SEMI evaluation and testing)

- **Hyunjun Park (phj@icrqa.com)**
- **Seokho Lee (seokho@icrqa.com)**

Example of the Tracer gas test (SEMI S6)

☎ Inquiries

Industrial Safety Center / Yang Dae-song
T.02-6351-9001 / yds@icrqa.com

WiFi6E (WiFi 6 GHz)

▣ The Wi-Fi Alliance released **the standard for WiFi6E** on January 3, 2020.

▣ Wi-Fi frequencies up to now have been using two frequency bands: 2.4 GHz and 5 GHz. The 5 GHz band initially had a small transmission distance and was greatly affected by obstacles, but the speed was so fast and the 5 GHz band was used less, so it was used a lot. However, due to the recent increase in many devices, the 5 GHz band has also become very crowded.

▣ **WiFi6E uses the new 6 GHz band** instead of the saturated 2.4 GHz and 5 GHz bands. E of WiFi6E stands for Extended. This means that WiFi6E (IEEE 802.11ax-announced in 2018), which used only the existing 2.4 GHz and 5 GHz bands, added the 6 GHz band.

WiFi6E (WiFi 6 GHz)

▣ The speed was increased by eliminating congestion by adding usable bands to the existing bands, and 14 channels of 80 MHz width and 7 channels of 160 MHz width can be used.

▣ **As the speed increases**, there are also disadvantages. **The transmission distance is not long**, like the downside when the first 5 GHz band was announced. (The 2.4 GHz band has the longest transmission distance.) However, since it shows high performance in terms of speed and quality, future wireless connection improvements can be expected.

☎ **Inquiries**
EMC&RF Test Center / Lee, Hong-Kyu
T.010-5522-2943 / hklee@icrqa.com

www.icrqa.com

www.icrqa.com