**Invitation to 2021 Seoul International Jewelry Conference**

**on Wednesday, Oct 27, 2021**

Thank you for your interest in the 5th Seoul International Jewelry Conference organized by the Seoul Jewelry Industry Support Center. The 2021 conference will focus on Sarine's artificial intelligence(AI) advanced solutions and SSEF's Gem testing-related new advanced techniques. In addition, the last lecture will introduce the rapidly growing Laboratory-Grown Diamond trend in the Korean jewelry market. Due to the prolonged COVID-19, the SIJC 2021 conference will be replaced by live broadcasts from 4 pm Korea time. After COVID-19, digital innovation and non-face-to-face industries are becoming paradigms in all areas. We hope many trade members will have the opportunity to share the information needed in this era with world-class gems and jewelry masters.

■ Date : Wednesday, October 27, 2021 [16:00~18:30 (KST)]

■ Venue : Online Live Streaming [sijc.co.kr](https://youtu.be/GFsGg9W8WLQ)

**First Speaker :  Mr.** **David Block**, CEO of Sarine Technologies Group

**- Title :  How technology is shaping the diamond industry of tomorrow**

**- Time : 4:10 pm - 4:55 pm, GMT+9**

• **Description** : We live in the digital age, and the digital tool is a small part of the technology that shapes our everyday lives, but how much has the technology of the diamond industry developed? We will explore what revolution technology is creating in the diamond supply chain, from mines to manufacturing and retail stores, and also providing more value to modern consumers than ever. Diamond grading and traceability based on artificial intelligence are one of the hot topics of today, and we should be more detailed.

**Second Speaker :  Dr. Michael S. Krzemnicki,** Director of SSEF

**- Title : The Beauty of Science: Gem identification, treatment detection, and origin determination for the high-end jewellery trade**

**- Time : 5:00 pm - 5:45 pm, GMT+9**

• Description :  As a global authority for gem testing, many of the exceptional gems, pearls and jewelry in market trades and auction houses are tested at the Swiss Gemology Institute(SSEF). This talk offers a glimpse into these new advanced methods used at SSEF with the aim to provide the trade: LA-ICP time-of-flight mass spectrometry, radiometric dating, DNA fingerprinting (for biogenic gems), and new statistical data processing tools using machine learning algorithms.

**Third Speaker :  Mr.** **Hyunsung Ohn**,GG, Director of Wolgok Jewelry Foundation Research Center

**- Title :  Current Laboratory-Grown Diamond Market in Korea**

**- Time : 5:50 pm - 6:30 pm, GMT+9**

• Description :  Recently, the laboratory-grown diamond market in Korea has grown beyond the introduction period based on high quality and low price. As a result, laboratory-grown diamond jewelry not only replaces a large portion of diamond simulants and natural diamonds, but also forms its own market. The Korean jewelry industry needs standardization of terms, active and systematic education and publicity along with sustainable monitoring to protect consumers and markets.

■ Organizer : Seoul Jewelry Industry Support Center,

Korea Jewelry Industry Promotion Foundation

■ Sponsors : Seoul Metropolitan Government, Korea Diamond Council,

Wolgok Jewelry Foundation Research Center,

GIA Alumni Chapter Korea,

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Korea Jeweller's Association​,

Korea Diamond Trade Center,

Jewelin Network

※ Contact : Seoul Jewelry Industry Support Center T : +82-2-764-9050 E : sjclab@naver.com