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New Identification of Synthetic and Natural Diamonds and Analysis of Synthetic Diamonds' Supply and Demand in Global Market

合成與天然鑽石的最新鑒別方式及合成鑽石全球市場供需分析

Date 日期 : 1/3/2019 (Friday 星期五)
 Time 時間 : 11:30am – 12:30pm
 Venue 地點 : The Forum, Hall 10, AWE
 亞洲國際博覽館 10 號展館 The Forum
 Speaker 講者 : Dr Joe C.C. Yuan
 苑執中博士
 Language 語言 : Putonghua (simultaneous interpretation in English will be provided)
 普通話 (附設英語即時傳譯服務)
 Remarks 備註 : Free Admission, Registration required. 2 CPD Hours (For GAHK Members)
 需預先登記 · 免費入場

Programme 程序表

11am – 11:30am	Guest Registration 登記
11:30am – 12:15pm	<p>Seminar 研討會</p> <p>New Identification of Synthetic and Natural Diamonds and Analysis of Synthetic Diamonds' Supply and Demand in Global Market 合成與天然鑽石的最新鑒別方式及合成鑽石全球市場供需分析</p> <p>Dr Joe C.C. Yuan 苑執中博士</p> <div data-bbox="421 1541 711 1839" data-label="Image"> </div> <p>Sun yat-sen university Ph.D. major in diamonds. Engaged in diamond processing, teaching, trading, certifying, researching, growing more than 42 years. Dozens of new diamond style patents have obtained in various countries. Currently engaged in diamond jewellery processing, high temperature high pressure (HPHT), chemical vapour deposition (CVD) single crystal, polycrystalline diamonds growing, application researching, producing. Hundreds speeches in Chinese and English in various countries, and published dozens of papers in Chinese and English in professional journals in various countries.</p>

	<p>中山大學鑽石博士，專攻鑽石。從事鑽石加工、教學、買賣、鑒定、研究、生長逾四十二年。現於美國紐約、臺灣臺北、大陸鄭州設有公司、鑒定所、工廠。於世界各國取得數十件鑽石新式樣專利。現從事首飾鑽石加工、高溫高壓、化學氣相沉積(CVD)單晶、多晶鑽石生長、應用的研究、生產。於世界各國發表中、英文專題報告數百次，於世界各國專業刊物發表中、英文論文數十篇。</p> <p>Content Summary: There is no single method for the identification of synthetic diamonds which grown by HPHT and CVD methods from natural diamonds. Multiple methods are required for cross identification. In 2017, 142 million carats of natural diamonds were mined and 4.2 million carats of synthetic diamonds were sold, about 3 percent of natural diamonds. It's going to increase year after year. The stock of natural diamonds is gradually exhausted. The present deposit is about one billion carats, and the annual mining is about 150 million carats, and will be almost completely dug up in another decade. Diamonds are rigid products and the green characteristics of synthetic diamonds will completely fill the market. Synthetic diamonds will follow the natural pearl changing to cultured pearls and will be accepted as cultured diamonds in the future. In 2018, the growth technology of HPHT is mature, the cost is reduced, the quality is improved, the market gradually become larger.</p> <p>內容摘要：HPHT 法與 CVD 法生長的合成鑽石與天然鑽石的鑒定沒有單一方式，需要多種方式交叉鑒定。2017 年天然鑽石原石開採量 1.42 億克拉。合成鑽石原石銷量 420 萬克拉，約為天然鑽石的 3%。往後會逐年增加。天然鑽石儲存量逐漸枯竭，現儲存量約十幾億克拉，每年開採約 1.5 億克拉，再十多年將幾乎完全挖完，鑽石是剛需產品，合成鑽石的綠色特性將完全填充市場。合成鑽石未來會照著天然珍珠變成養珠的市場演變，成為大家接受的養鑽。2018 年 HPHT 生長技術成熟、成本降低、品質提高，市場逐漸成熟，開始大量銷售。</p>
12:15pm – 12:30pm	Q & A Session 問答時段

*The Organiser reserves the rights to change the programme without prior notice.
主辦機構保留對節目調動及更改之權利而不作另行通知。

Supporting Organisations 支持機構:

The Gemmological Association of Hong Kong (GAHK) 香港寶石學協會

International Association of Jewellery Merchandize Planning Professionals (IAJMPP) 國際珠寶商品企劃專業行政人員協會