

CIBJO
CONGRESS
2023

FEI CUI SESSION

4 OCTOBER 2023



CIBJO
CONGRESS
2023

FEI CUI SESSION

Core Elements and the Framework of the International Fei Cui Standard Discussion Draft



Professor Dr Yang Mingxing and Dr Norman Siu Wai-chung



Core Elements and the Framework of the International Fei Cui Standard Discussion Draft

1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective
 - 1.1 Progression since 2019 – series of seminar, webinar, signature events and formation of **CIBJO/GAHK Fei Cui Working Group** (July 2021)
 - 1.2 Formation of Consultation Advisors Team & Professional Writers Team (March 2023)
 - 1.3 Having developed and hosted the GAHK Fei Cui Standard for 20 years, we've the following observation, experience and inductive conclusion.
2. Discussion Draft of International Fei Cui Standard – Mission, Vision & Philosophy, Key Tasks, Milestones and Deliverable
3. Recent Years Collaboration and Future Development



1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.1 Progression since 2019 – series of seminar, webinar, signature events

- A Fei Cui special session at the CIBJO congress 2019 (Bahrain)



Dr Gaetano Cavalieri delivers the opening address at the CIBJO Congress 2019 (Bahrain)

<https://feicui.gahk.org/international>

<http://www.cibjo.org/congress2019/2019/11/20/cibjo-congress-conducts-special-fei-cui-special-session-looking-to-create-international-standards-for-trade-in-jade-products/>



Mr Kent Wong's talks on "A new growth driver of jewellery market: Fei Cui jewellery with diamonds & colour stones"



Dr Shang I (Edward) Liu reports on "The significance and reasons of adopting the term "Fei Cui" and its scientific research"

1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

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- formation of CIBJO/GAHK Fei Cui Working Group (July 2021)

Organiser 主辦機構
Hong Kong Trade Development Council (HTDC) 香港貿易發展局

Co-organisers 合辦機構
The Gemmological Association of Hong Kong (GAHK) 香港寶石學會
Hong Kong Council for Testing and Certification (HKCTC) 香港專業認證中心
The World Jewelry Confederation (CIBJO) 國際珠寶聯合會

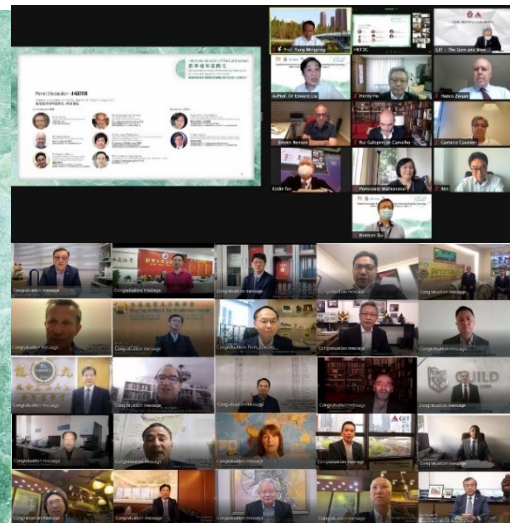
Sponsoring organisations 支持機構
China Jade Jewellery Design and Trade Association
The Gemmological Association of Great Britain, Gem A 英國寶石協會
Gemmological Institute, China University of Geosciences (CUGG), ChinaUIC 中國地質大學(武漢) 珠寶學院
Hong Kong Jewellery Association 香港珠寶商會
Hong Kong Jade Wholesalers and Retailers Association 香港玉雕珠寶零售協會
Hong Kong Jewellery & Gemmology Association 香港珠寶玉石商會
Hong Kong Jewellery & Gemmology Association 中國珠寶玉石商會
Hong Kong and Macau Jewellery & Gemmology Association 香港及澳門珠寶玉石商會
Macau Gemmological Jewellery Association 澳門珠寶玉石商會
National Gemstone Trading Centre, China (NGTC) 國家珠寶玉石質量監督檢驗中心

Internationalisation Of Fei Cui Standard
翡翠標準國際化

Globalised Harmonisation Work Across Key Stakeholders And Associated Regulatory Communities
關鍵持份者和相關監管機構之間的全球化協調工作

27/7/2021
1:45pm – 3:00pm
(Onsite reception: 1:30pm)

English and Putonghua
(Onsite simultaneous interpretation service provided in Putonghua and English)
英語及普通話
(現場提供英語和普通話同時傳譯服務)



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1.1 Progression since 2019 – series of seminar, webinar, signature events

- formation of **CIBJO/GAHK Fei Cui Working Group** (July 2021)

The image shows a Zoom meeting slide with two main sections. The left section features the CIBJO logo and text about the internationalisation of the Fei Cui standard, along with the name and title of Gaetano Cavaliere, CIBJO President. The right section is a table listing the members of the CIBJO/GAHK Fei Cui Working Group, including their names, roles, and affiliations.

World Jewellery Confederation
Internationalisation Of Fei Cui Standard
翡翠標準國際化
Globalised Harmonisation Work Across Key Stakeholders
And Associated Regulatory Communities
推動特約成員和國際監管機構之間的基礎性協議工作

GAETANO CAVALIERI
CIBJO PRESIDENT
**The Internationalisation of the Fei Cui Standard:
CIBJO's Actions and Progression**

CIBJO/GAHK FEI CUI WORKING GROUP

Name	Role	Affiliation
Dr. Gaetano Cavaliere, Chair	President, CIBJO	CIBJO
Mr. Roland Naftule, Co-Chair	Vice President, CIBJO / President, Sector A	CIBJO
Mr. Charles Abouchar	President, Coloured Stone Commission	CIBJO
Mr. Nilan Alawdeen	Vice President, Coloured Stone Commission	CIBJO
Mr. Kenneth Scarratt	President, CIBJO Pearl Commission / VP Gemmological Commission	CIBJO
Dr. Thomas Lind	Vice President, Sector A	CIBJO
Mr. Shane McClure	Global Director of Coloured Stone Services, GIA	CIBJO
Dr. Hanco Zwaan	President, Gemmological Commission	CIBJO
Dr. Yang Li Xin	CIBJO Board member / Director, Standardization Office, NGTC, China	CIBJO
Mr. Rui Galopim de Carvalho	Vice President, Sector A / Vice President, Coral Commission	CIBJO
Mr. Steven Benson	CIBJO Communications Director	CIBJO
Mr. Eddie Fan	Chairman, GAHK	GAHK
Prof. Mimi Ouyang	Project Chief Academic Advisor	GAHK
Dr. Edward Liu	Vice Chairman and Director of Education, GAHK	GAHK
Dr. Norman Siu	Director of Certification and Label Scheme & Director of Education, GAHK	GAHK
Mr. Kent Wong	Managing Director, Chow Tai Fook Jewellery	GAHK
Prof. Yang Mingxing	Director of Gem testing Centre, Gemmological Institute, China University of Geosciences	GAHK

1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.2 Progression since 2019 – series of seminar, webinar, signature events

- Formation of **Consultation Advisors Team** and **Professional Writers Team**
(March 2023)

Consultation Advisors Team

Chief advisor : **Dr Gaetano Cavalieri**, President, CIBJO

Advisors : **Ms Ke Jie**, NGTC (柯捷副總經理，國家珠寶玉石首飾檢驗集團有限公司)

Dr Edward Liu, GAHK (廖尚宜主席，香港寶石學協會)

Dr Yang Lixin, NGTC (楊立信博士，國家珠寶玉石首飾檢驗集團有限公司)

Mr Kent Wong, JGAHK (黃紹基主席，香港珠寶首飾業商會)

Prof Mimi Ouyang, HKIG (歐陽秋眉教授，香港寶石鑒定所、香港珠寶學院)



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- Formation of **Consultation Advisors Team** and **Professional Writers Team**
(March 2023)

Consultation Advisors Team

Advisors : Mr Jim Li, GDGJE (黎志偉總裁，廣東省珠寶玉石交易中心)

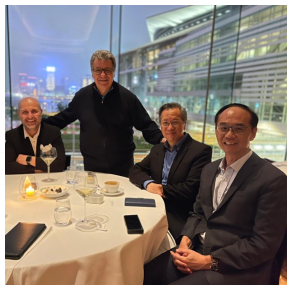
Prof Yin Zuowei, GIC (尹作為院長，中國地質大學（武漢）珠寶學院)

Mr Ip Sio Kai, Macau Goldsmiths' Guild (葉兆佳會長，澳門金業同業公會)

Mr Samuel Kung, MOCA Shanghai (龔明光館長，上海當代藝術館)

Mr Lau Hak Bun, JGAHK (劉克斌副主席，香港珠寶首飾業商會)

Mr Law Chi Kwong, HKJA (羅志光會長，香港玉器商會)



1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.2 Progression since 2019 – Formation of Professional Writers Team

Convenor : **Prof Yang Mingxing**, GIC (楊明星教授，中國地質大學（武漢）珠寶學院)

Deputy convenor : **Dr Norman Siu**, GAHK (邵為忠博士，香港寶石學協會)

Member : Ir Cheung Chin Keung (張展強工程師)

Mr Eddie Fan, GAHK (范肇錦，香港寶石學協會)

Dr Lu Taijin, NGTC (陸太進博士，國家珠寶玉石首飾檢驗集團有限公司)

Ms Su Jun, NGTC (蘇雋女士，國家珠寶玉石首飾檢驗集團有限公司)

Prof Yuan Xinqiang, GIC (袁心強教授，中國地質大學（武漢）珠寶學院)

Prof Ren Lu, GIC (盧韜教授，中國地質大學（武漢）珠寶學院)

Prof Chen Tao, GIC (陳濤教授，中國地質大學（武漢）珠寶學院)

1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.2 Progression since 2019 – Formation of Professional Writers Team

Member : Dr Zhang Pengfei, GIC (張鵬飛博士，中國地質大學（武漢）珠寶學院)

Prof Shi Guanghai, China University of Geosciences (施光海教授，中國地質大學（北京）珠寶學院)

Prof Qi Lijian, Tongji University (亓利劍教授，同濟大學海洋與地球科學學院)

Prof Qiu Zhili, Sun Yat-sen University (丘志力教授，中山大學地球科學系)

Dr Hu Chuyan (胡楚雁博士)

Prof Wang Lisheng, Hebei University of Geosciences (王禮勝教授，河北地質大學)

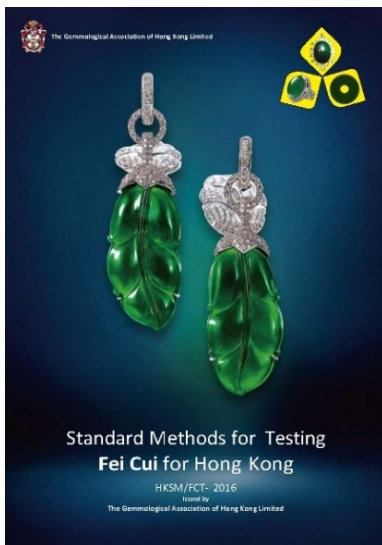
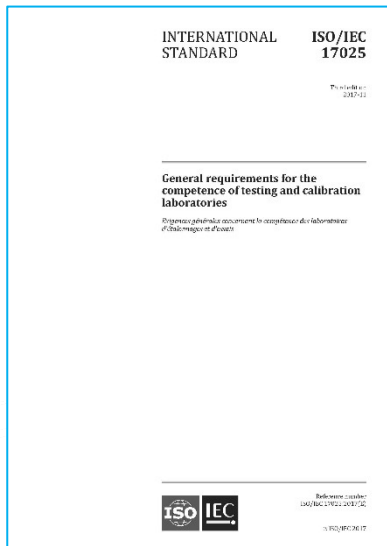
Mr Yang Peng, Kunming Qicai Yunnan Trading Co. Ltd (楊鵬總經理，昆明七彩雲南商貿有限公司)

Mr Tommy Tsui, China Gems Laboratory Ltd (徐建華先生，中華珠寶鑑定中心有限公司)

Ms Joanne Chan, Hong Kong Jade & Stone Laboratory Ltd (陳惠貞女士，香港玉石鑑定中心有限公司)

1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.3 Having developed and hosted the GAHK Fei Cui Standard for 20 years, we've the following observation, experience and inductive conclusion.



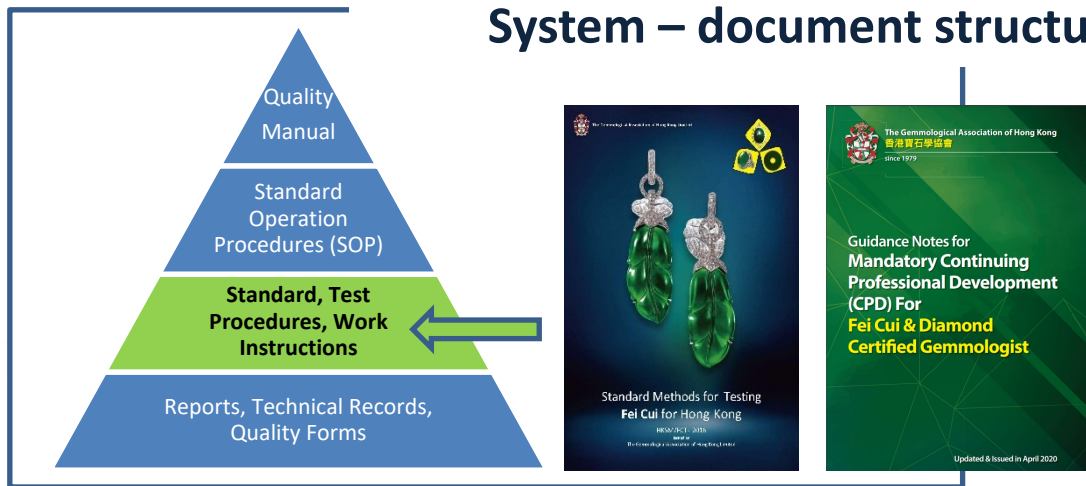
GAHK Fei Cui Standard is NOT JUST a definition or nomenclature of Fei Cui.

- GAHK Fei Cui Standard is **mainly for commercial gems laboratories who intend to adopt ISO/IEC 17025 QMS in their daily operation and management system**, according to their scope of business and customer service strategy.
- Being an official key reference of the lab's testing report/certificate.

1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.3 Having developed and hosted the GAHK Fei Cui Standard for 20 years, we've the following observation, experience and inductive conclusion.

ISO/IEC 17025 accredited Fei Cui laboratory Quality Management System – document structure and management system



Fei Cui accredited labs build their management system in compliance with ISO/IEC 17025-2017 and fulfill the **general requirements, structural requirements, resources managements and process managements** of this international ISO standard.

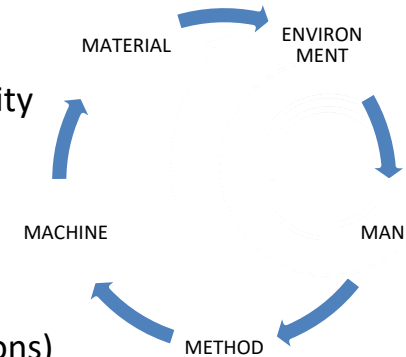
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The 4M1E Factors of ISO Quality Management System of accredited Fei Cui lab

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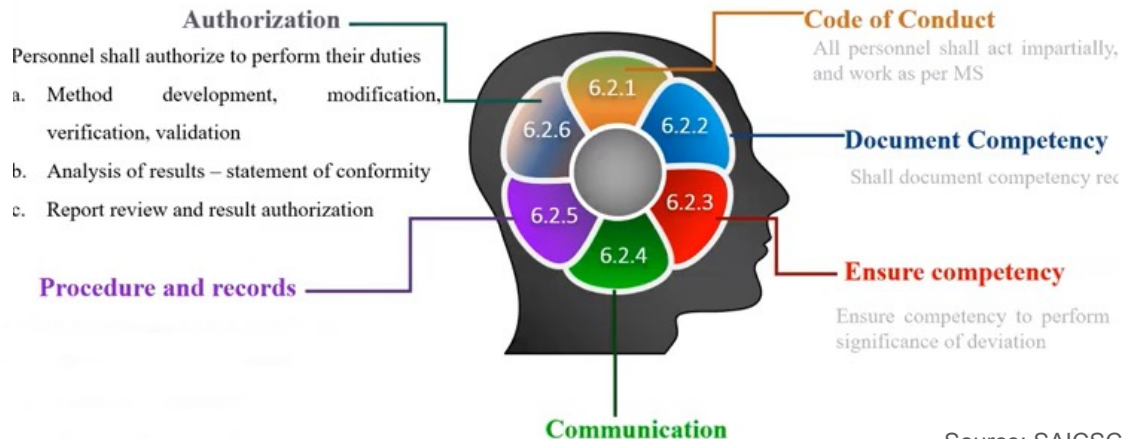
- **Man** (6.2 Personnel): The division of work in accredited Fei Cui lab with the following important job titles and specifications: Certified Gemmologist (CG) & Authorized Signatory, Technical Manager, Quality Manager, Document Controller and Lab Director.
- **Method** (2. Normative references; GAHK Fei Cui Standard),
- **Machine** (6.4 Equipment),
- **Material** (7. Process requirements; GAHK Fei Cui Standard),
- **Environment** (6.3 Laboratory facilities and environmental conditions)



1. An Overview of the Context of Internationalisation of Fei Cui Standard from a Knowledge Management perspective

1.3 Having developed and hosted the GAHK Fei Cui Standard for 20 years, we've the following observation, experience and inductive conclusion.

Competence of gemmologist & lab personnel (Factor of Man)

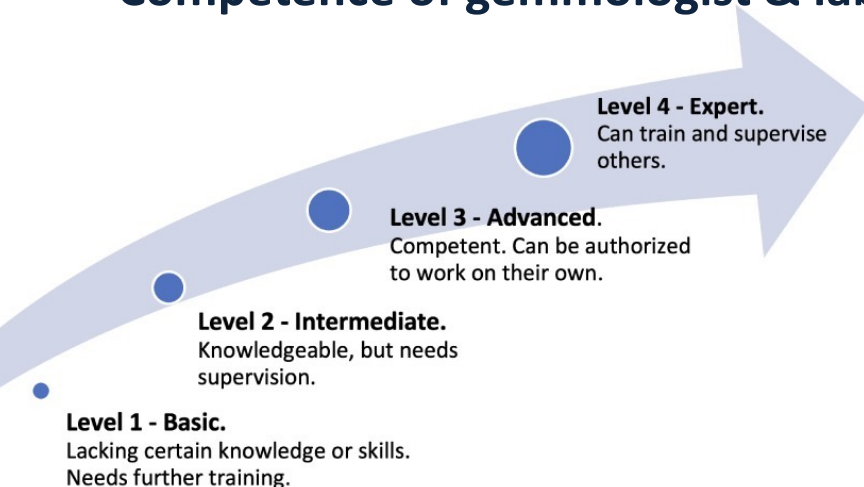


All personnel of the laboratory, either internal or external, that could influence the laboratory activities shall act impartially, be competent and work in accordance with the laboratory's management system. (Personnel 6.2.1)

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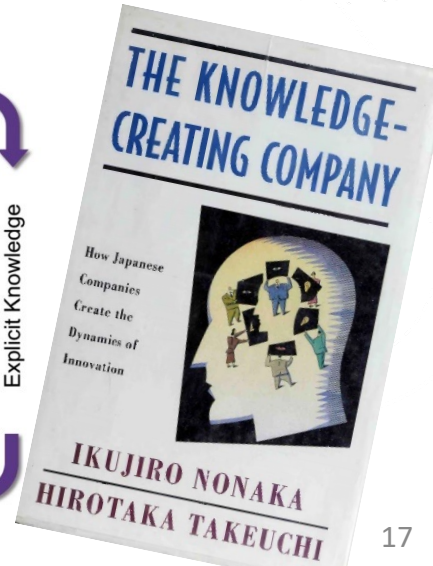
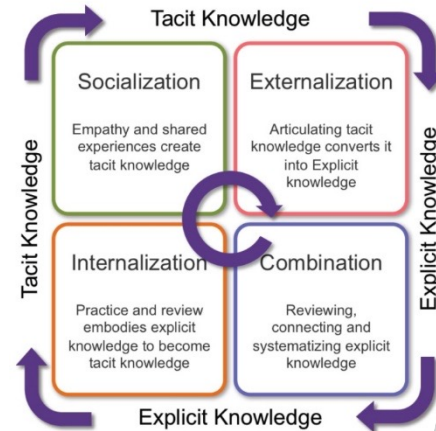
To ensure the product (test reports) and service conform to relevant requirements of ISO and lab's established objective, lab personnel (management staff, operators and gemmologists) play different roles in information-process and material-process flow.

2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

Mission: to write an English *Discussion Draft of International Fei Cui Standard*

This *Discussion Draft* would be a **Knowledge Product**.

- The Realization of our mission would be a kind of **Knowledge Production, Knowledge Management and Knowledge Creation Process** covering the processes of codification, articulation, combination of tacit and explicit knowledge.



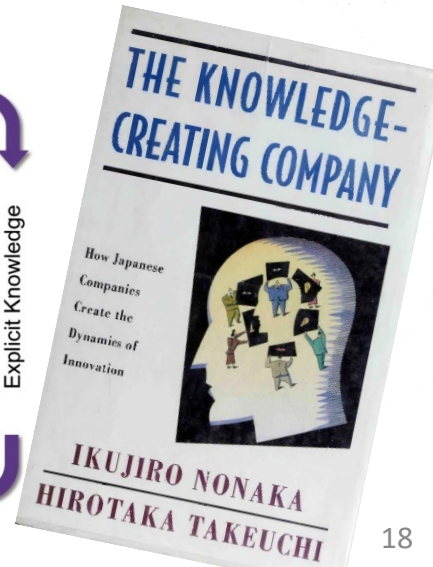
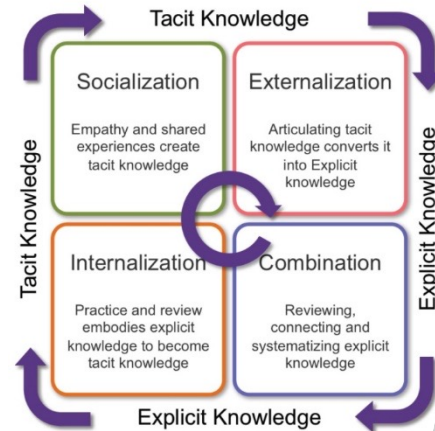
2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

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This *Discussion Draft* would be a **Knowledge Product**.

■ Project Management (PM):

- ◆ Defining the project configurations, scope of work and core content of the *Discussion Draft of International Fei Cui Standard*



2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

Mission: to write an English *Discussion Draft of International Fei Cui Standard*

This *Discussion Draft* would be a **Knowledge Product**.

■ Knowledge Management (KM):

- ◆ Identifying the **competence framework of QMS knowledge and Fei Cui testing knowledge and skills** of lab key personnel, management, gemmologists and supporting staff
- ◆ combination of the knowledge of ISO quality management, certification & accreditation, gemmological knowledge, Fei Cui knowledge, lab practical know-how, trade applications and practice, ESG principles and stakeholders' considerations.

2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

Mission: to write an English *Discussion Draft of International Fei Cui Standard*

- incorporating ESG principles into the content & structure of the *Discussion Draft*

「ESG為寶石和珠寶行業創造更美好的未來」研討會 Seminar on Environmental, Social and Governance (ESG) for a Brighter Future of the Gem and Jewellery Industry

Hall 1E The Stage, Hong Kong Convention and Exhibition Centre
香港會議展覽中心展覽廳1E The Stage

5/3/2023 (Sunday 星期日)
11:30am-12:30pm



English and Putonghua
(Simultaneous interpretation service provided in Putonghua and English)
英語及普通話 (提供英語和普通話即時傳譯服務)

Registration required, Free Admission
需預先登記, 免費入場



Keynote Presentation 主題演講

ESG Trends in Jewellery Industry's Global Value Chain
珠寶行業全球價值鏈中的 ESG 趨勢



Gaetano Cavallieri 博士
國際珠寶業聯盟 (CIBJO) 主席
Dr. Gaetano Cavallieri
President, The World Jewellery Confederation (CIBJO)

How ESG can Help Sustain our Jewellery Industry's
Competitiveness

ESG 如何幫助持續我們珠寶行業的競爭力



邵為忠博士
國際珠寶商品企業專業行政人員協會 (IAJMP) 聯合創始人;
香港寶石學協會 (GAHK) 翡翠及鑽石認證及標籤計劃理事、
國際理事會和技術理事、
國際珠寶業聯盟 (CIBJO) 翡翠工作小組成員
Dr. Norman Szu
Co-Founder of International Association of Jewellery
Merchandise Planning Professionals (IAMPP);
GAHK Director of Certification & Label Scheme,
International Affairs/Education;
Member, CIBJO Fei Cui Working Group

Panel Discussion 專家座談會

Moderator 座談會主持人:



黃紹基先生
香港珠寶首飾業商會主席、
香港玉石鑲金銀首飾業商會理事、
香港寶石學協會 (GAHK) 翡翠標準測試方法項目顧問、
國際珠寶業聯盟 (CIBJO) 翡翠工作小組成員、
南大福珠寶集團有限公司董事總經理 (企業及港澳與海外事務)

Mr. Kent Wong
Chairman, The Jewellers' & Goldsmiths' Association
of Hong Kong;
Chairman, Hong Kong Jewellers' & Goldsmiths' Association;
GAHK Fei Cui Standards Project Industry Adviser;
Member, CIBJO Fei Cui Working Group;
Managing Director, Corporate and Hong Kong, Macau & Overseas,
Chow Tai Fook Jewellery Group Limited

Panel Speaker 專家講者:



獨立信博士
國家標準化管理局珠寶玉石標準化技術委員會
(SAC/TC238) 委員;
亞太珠寶標準化技術聯盟 (AGA) 工作機制副主席;
香港寶石學協會 (GAHK) 翡翠標準測試方法項目專家顧問、
國際珠寶業聯盟 (CIBJO) 翡翠工作小組成員

Dr. Yang Lixin
General Secretary, National Technical Committee SAC/TC238 for

2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

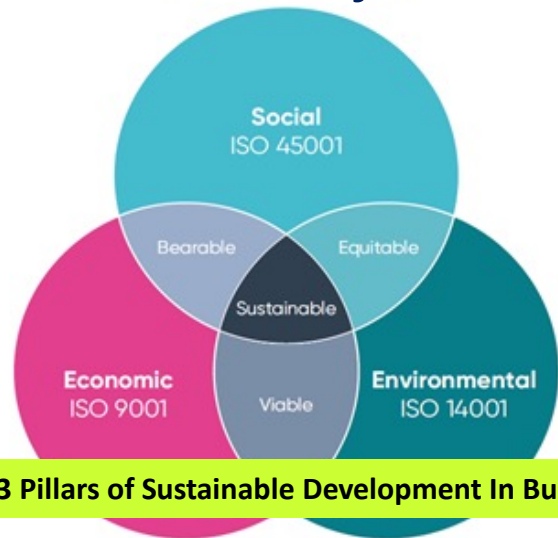
Mission: to write an English *Discussion Draft of International Fei Cui Standard*

- incorporating **ESG** principles into the content & structure of the *Discussion Draft*
- adjusting our conventional mindset & business strategy : not only focusing on creating value for owners, shareholders and investors (maximizing the shareholders' interests), but also **Creating Shared Value (CSV) for external stakeholders** who're operating outside the company but are still impacted by the organization's actions **via Environmental, Social & Governance (ESG)**
 - **a system of good practice and guidelines** that can be deployed to **effectively carry out the business mission** which is formulated to train colleagues (internal stakeholders), so as to **communicate with all external stakeholders, i.e. suppliers, customers, consumers.**

2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

Mission: to write an English *Discussion Draft of International Fei Cui Standard*

- incorporating the relevant ISO standards into the content & structure of the *Discussion Draft*



1. ISO 9001 – Quality Management System
2. ISO 14001 – Environmental Management System
3. ISO 14040 – Life Cycle Assessment
4. ISO 14064 – Greenhouse Gas Carbon Mgt System
5. ISO 20400 – Sustainable Procurement
6. ISO 50001 – Energy Management System
7. ISO 26000 – Social Responsibility Guidance
8. ISO 31000 – Risk Management System
9. ISO 37001 – Anti-Bribery Mgt System
10. ISO 37301 - Compliance Mgt Systems
11. ISO 45001 – Occupation Health & Safety Management System
12. AA 1000 – AccountAbility Corporate Management System

2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

Key Tasks of *Discussion Draft of International Fei Cui Standard*

- Fei Cui test report reference template

Traceability and transparency of the name & signature of signatory will be a key part of the presentation content of Int. Fei Cui Standard test report.

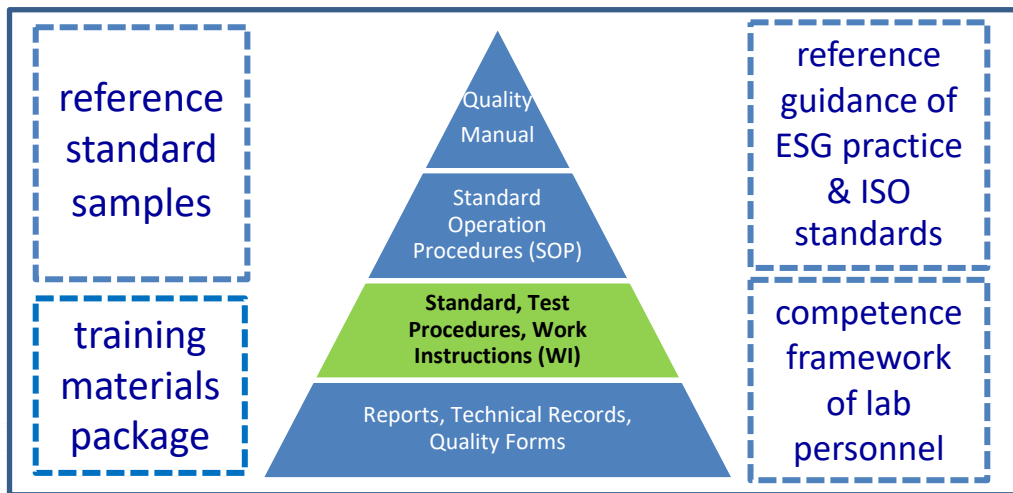
- Gemmologist, authorized signatory and lab management staff may have to take certain part of the lawful liability of the result and conclusion that they confirm and state in the test report.
- In addition of technical competencies, **professional ethic and integrity** of the gemmologist, authorized signatory and lab management staff are of utmost importance for lab to maintain the **accountability and reliability** of its service & products and its **trustmark brand**.



2. Discussion Draft of International Fei Cui Standard – Core Elements & Framework

Milestones and Deliverable of *Discussion Draft of International Fei Cui Standard*

■ We foresee the *International Fei Cui Standard* would, at least, cover



- ◆ ISO/IEC 17025 Fei Cui Lab Quality management System (QMS) document template of **Quality Manual (QM)**, **Standard Operating Procedure (SOP)** and **Work Instruction (WI)**,
- ◆ Fei Cui **testing work sheet and report template**,
- ◆ **reference guidance of ESG practice & ISO standards**, competence framework of gemmologist & lab personnel
- ◆ **reference standard samples**
- ◆ **training materials package**

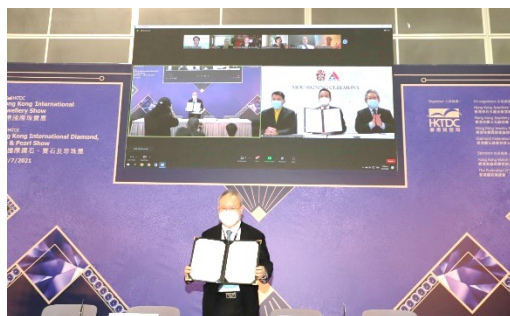
3. Recent Years Collaboration and Future Development



MOU signing ceremony of GAHK and NGTC
September 2019



Preliminary meeting of Asia-Pacific
Gemstone and Technology Standardization
Alliance (AGA) September 2019



MOU signing ceremony of GAHK and GIT
July 2021



MOU signing ceremony of GAHK and GIC
August 2022



MOU signing ceremony of GAHK and Macau
Goldsmiths' Guild August 2022

A series of MOUs and collaboration in recent years signifies that GAHK collaborate closely with NGTC, GIT, GIC & Macau Goldsmiths' Guild, and consult one another on matters of mutual interest to achieve the common objectives of advancing and promoting the International Fei Cui Standard, gemstone standardisation and training in the field of gemmology for mutual benefits.

3. Recent Years Collaboration and Future Development



China National Standard

GAHK FeiCui Standard

Knowledge and database resources that we should consider and treasure

- Existing China National Standards (GB) of Fei Cui and GAHK Fei Cui Standard have contributed a lot to the jewellery market & trade development and consumers' confidence. (Dr Yang Lixin April 2021)
- Remarkable scientific research database of Fei Cui by China's professors and experts are available for our sharing. (Prof Yang Mingxing September 2023)

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FEI CUI SESSION

**Core Elements and the Framework of the
International Fei Cui Standard Discussion Draft**

THANKYOU FOR YOUR ATTENTION

