

International Conference on “Quantum Leap for Metals Industries – Adopt Novel Materials and Critical Processing Technologies”

「金屬工業飛躍 — 採納嶄新材料及關鍵加工技術」國際會議



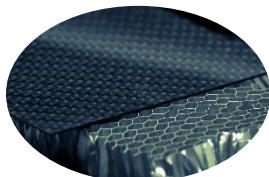
**Key metal parts and
processing technology**
關鍵金屬零件及加工技術

**Ceramic materials for
healthcare and medical tools**
醫療器械陶瓷材料



**Alloys materials for precision
manufacturing**
高精尖合金材料

**Other value added
composite materials**
其他高增值復合材料



Date and time
日期及時間

13 April 2021
2021年4月13日
09:15-17:15

Venue
地點

Online Webinar & HKPC Building Live
Broadcast
網上直播及
生產力大樓現場進行



Medium
語言

English (with Cantonese interpretation) &
Putonghua
英語 (粵語傳譯) 及普通話

Fee
費用

HK\$ 180

**Target
Audience**
目標觀眾

The target audiences will be top and middle
management, such as CEO, CTO, Director of
Business, Senior Business Executive,
Managers, and Research Fellows, etc.
中高層管理人員，如首席執行官、首席技
術官、業務總監、高級業務執行官、經理、
研究員等

Introduction 簡介

Over the past few years, new materials and their processing technologies was ever emerging to cope with the strength, lightweight, durability, high thermal conductivity, corrosion free, electromagnetic compatibility and other necessary functional properties of critical components in vehicles, healthcare devices, telecommunication, tooling, machinery and other value added products industries. It is anticipated that manufacturers of local metals, ceramics, and other composite materials industries commonly engaged to acquire knowledge and know-how on new metals and ceramics materials and corresponding processing technologies, their applications and business opportunities ahead in order to diversify into these growing and value-added products business or adding-value to their current products by enhancing its functional properties.

在過去數年，新材料及其相應加工技術不斷湧現，以應對汽車、醫療保健器械、電訊產品、模具、機械及其他增值產品行業中關鍵部件的重要性能，如高強度、輕量化、耐久性、高導熱性、耐腐蝕性及電磁兼容性等。可以預見，本地金屬、陶瓷及其他符合材料行業製造商需要在新型特種金屬和陶瓷材料；以及相應的加工技術、其應用和商機等多方面獲取實際知識和訣竅，致使其增值產品的業務更多元化，進軍這正在增長的市場，甚或透過增強產品的性能來使其當前產品增值。

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Speakers 講者



Dr Thomas Weißgärber,

Director,

Temperature and Functional Materials Sintered and Composite Materials IFAM, Germany

湯瑪斯·魏斯加伯 博士

德國高溫燒結與功能複合材料應用研究所主管



Prof Shanglu Yang

Associate Professor

Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China

楊上陸 教授

中國科學院上海光學精密機械研究所



Mr Tan Wai Beng

Plant Manager

Hitachi Metals Singapore Pte. Ltd., Japan

譚偉本 先生

日本日立金屬新加坡有限公司經理



Prof Wang Xu

Associate Professor

Xi'an Polytechnic University

王旭 副教授

中國西安理工大學



Mr Zihan Xu

CTO

The Sixth Carbon Technology Co., Ltd, China

許子寒 先生

六碳科技有限公司 首席技術官



Mr Francis Lai, Senior Consultant

Dr Haokun Yang, Consultant,
Smart Manufacturing Division,
Hong Kong Productivity Council

黎偉華 先生，香港生產力促進局智慧製造業務部高級顧問

楊浩坤 博士，香港生產力促進局智慧製造業務部 顧問

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Rundown 活動流程

Time 時間	Activity 活動	
08:45-09:15	Registration 登記	
09:15-09:30	Opening Ceremony 開幕式	
	Opening speech 開幕詞	
	Mr. Edmond LAI, Chief Digital Officer, Digital Branch, Hong Kong Productivity Council 香港生產力促進局首席數碼總監黎少斌先生	
	Presentation of souvenirs to speakers and sponsors 向演講者和贊助商贈送紀念品	
	Group photo 合影	
Time 時間	Topic 主題	Speaker 演講者
09:30-10:25	Latest Metals Material Development, Applications and Processing Technologies for Vehicle Industries 汽車工業最新金屬材料開發、應用及加工技術	Mr Tan Wai Beng, Plant Manager, Hitachi Metals Singapore Pte. Ltd., Japan 譚偉本 先生 日本日立金屬新加坡有限公司經理
10:25-10:40	Tea Break 茶歇	
10:40-11:35	Mainland Strategy in Development of Metal Processing Technologies and Industries 中國金屬加工技術及產業發展的策略	Prof Shanglu Yang, Associate Professor, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China 楊上陸 教授 中國科學院上海光學精密機械研究所
11:35-12:30	Latest Metals and Ceramics Material Development, Applications and Processing Technologies for Healthcare, Implant and Bio-medical Industries 應用於醫療保健、植入和生物醫療行業的最新的金屬和陶瓷材料加工技術	Associate Professor, Wang Xu, XI'an Polytechnique University, China 王旭 副教授 中國西安理工大學
12:30-14:00	Luncheon (under own arrangement) 午休 (自行安排)	
14:00-14:55	Global Trend on Development Conference on Novel and Critical Processing Technologies 全球新技術和關鍵加工技術發展趨勢會議	Dr Thomas Weißgärber, Director, Temperature and Functional Materials Sintered and Composite Materials IFAM, Germany 湯瑪斯·魏斯加伯 先生 德國高溫燒結與功能複合材料應用研究所主管

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14:55-15:50	High Thermal Conductivity and Low Thermal Expansion Metal/Ceramic Materials for Devices in the Era of 5G Communications 應用於5G通信時代器件的高導熱、低膨脹金屬/陶瓷材料	Mr. Zihan Xu, Chief Technical Officer, The Sixth Carbon Technology Co., Ltd, China 許子寒 先生 六碳科技有限公司 首席技術官
15:50-16:05	Tea Break 茶歇	
16:05-17:00	Cost Effective Al-Si and Mg-Li Alloys In-House Manufacturing for Lightweight, Heat Dissipation and Strength Enhancement Applications 應用於輕量化、散熱和強度提升的低成本鋁矽和鎂鋰合金	Mr Francis Lai, Senior Consultant & Dr Haokun Yang, Consultant, Smart Manufacturing Division, Hong Kong Productivity Council 黎偉華 先生 香港生產力促進局 高級顧問 楊浩坤 博士 香港生產力促進局顧問
17:00	End of Conference 會議結束	
17:00-17:15	HKPC Lab tour of corresponding technologies 參觀生產力局相關技術的實驗室	Members from HKPC Smart Manufacturing Division 香港生產力促進局智能製造部同事

Enrolment method 報名方法

Please scan the QR Code or enter the website below for further details.

請掃描二維碼或進入以下網頁查閱詳情

http://u.hkpc.org/int_con_novmaterial



Supporting Organisations 支持機構



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