

Hong Kong Electronic Forum

香港電子論壇

Innovation Unleashed: The Intersection of Microelectronics, AI, and Open-Source Ecosystems

驅動創新：微電子、人工智慧及開源生態系統

Date 日期	: 15 / 10 / 2024 (Tuesday 星期二)
Time 時間	: 10:30am – 12:30pm
Venue 地點	: the STAGE, Halls 5BC, Hong Kong Convention & Exhibition Centre 香港會議展覽中心展覽廳 5BC the STAGE
Language 語言	: English with Simultaneous Interpretation in Putonghua 英語 (附設普通話即時傳譯服務)
Remarks 備註	: Free Admission (Please Click HERE to register Scan the QR Code to register) 免費入座 (請「 按此 」登記或掃描二維碼登記)



Time 時間	Programme 程序表
10:00am – 10:30am	Registration 登記
10:30am – 10:33am	Welcome Remarks 歡迎辭 Dr YK So , Chairman, The Hong Kong Electronic Industries Association 香港電子業商會 會長 蘇煜均 博士
10:33am – 10:40am	Souvenir Presentation to Speakers 致送紀念品予演講嘉賓 Ms Katja Stolle , Deputy Executive Director, New Technologies, Messe München GmbH 慕尼黑國際博覽集團 副總裁 Katja Stolle 女士 Ms Mandy Ng , Associate Director, Business Development, Hong Kong Trade Development Council 香港貿易發展局 業務發展副總監 吳文慧 女士 Group Photo with All Representatives 與代表合照

Organisers 主辦機構:



Co-Organisers 協辦機構:



Supporting Organisations 支持機構:



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Time 時間	Programme 程序表
10:40am – 10:55am	<p>Business Climate and Technology Trends for the European Electronics and Semiconductor Equipment Industry 歐洲電子與半導體設備產業之商業環境及技術趨勢</p> <p>Speaker 演講嘉賓: Dr Sandra Engle, Head of Sector Group Productronics, Mechanical Engineering Industrial Association (VDMA) 德國機械設備製造業協會 電子製造產業組負責人 Sandra Engle 博士</p> 
11:00am – 11:15am	<p>Transforming Industry with AI 用人工智慧改革產業</p> <p>Speaker 演講嘉賓: Mr Kevin Yang, Senior Expert, Bosch Corporate Research Asia Pacific 博世亞太研究中心 高級專家 Kevin Yang 先生</p> 
11:20am – 11:35am	<p>AI Application Examples In Highly Efficient Inspection Solutions 高效率檢測解決方案之人工智慧應用的例子</p> <p>Speaker 演講嘉賓: Mr Volker Pape, Supervisory Board Member, Viscom SE Viscom SE 監事會成員 Volker Pape 先生</p> 
11:40am – 11:55am	<p>Collaborative Development of AI and Open Source Ecosystems 人工智慧與開源生態系統的協同開發</p> <p>Speaker 演講嘉賓: Prof. Ray Chak Chung Cheung, Associate Provost (Digital Learning), Professor, Dept of Electrical Engineering & Dept of Computer Science, City University of Hong Kong 香港城市大學協理務副校長 電機工程學系教授 張澤松 教授</p> 
12:00noon – 12:20pm	<p>Panel Discussion and Q&A Session 討論及問答環節</p> <p>Moderator 主持: Ir Dr Humphrey LEUNG Kwong Wai, JP, Vice Chairman of the Hong Kong Electronic Industries Association</p> 

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	香港電子業商會 副會長 梁廣偉博士 工程師 · 太平紳士
12:20pm – 12:30pm	Q&A Session 問答環節

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Speaker Profile 講者簡介

Dr Sandra Engle, Head of Sector Group Productronics, Mechanical Engineering Industrial Association (VDMA)

德國機械設備製造業協會 電子製造產業組負責人 Sandra Engle 博士

Before joining VDMA in 2020, Dr. Engle spent more than 15 years in the printed circuit board and electronics manufacturing industry in Germany and the United States with leading companies like Sanmina SCI and Mektec. Her experience covers global new business development, new product design, prototype production, product management as well as new market entry strategies.



In her current role with VDMA, Dr. Engle represents the interests of the electronics and semiconductor equipment manufacturers towards policymakers, the press and the public.

She informs member companies about technology trends and the business climate and organises international networking events with important potential industry partners.

Dr. Engle holds a PhD in organic chemistry with a focus on LCD-technology.

在 2020 年加入德國機械設備製造業聯合會之前，Engle 博士在德國和美國的印刷電路板和電子製產業擁有逾 15 年經驗，曾任職於新美亞(Sanmina SCI)和旗勝科技(Mektec) 等領導企業。她的經驗涵蓋全球新業務開發、新產品設計、原型生產、產品管理以及新興市場策略。在 VDMA 的當前角色中，Engle 博士代表電子及半導體設備製造商的利益，與政策制定者、新聞媒體和公眾進行交流。她向會員公司通報科技趨勢和商業氣候，並組織與重要潛在產業夥伴的國際交流活動。Engle 博士擁有有機化學博士學位，專注於液晶顯示器技術。

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Mr Kevin Yang, Senior Expert, Bosch Corporate Research Asia Pacific

 博世亞太研究中心 高級專家 **Kevin Yang** 先生

Kevin Yang is Senior Expert at Bosch Corporate Research Asia Pacific, where he leads a team dedicated to AI research and development. He holds a Master's degree in Computer Science from the City University of Hong Kong. He has led the successful delivery of over 10 high-impact consulting and research projects in areas such as manufacturing, engineering, supply chain, and autonomous driving. His focus lies in Industrial AI, where he aims to apply AI solutions to real-world industry challenges, thereby supporting Bosch's global businesses in their AI transformation.



Kevin Yang 現為博世亞太研究中心的高級專家，領導專注於人工智慧研發的團隊。他擁有香港城市大學的電腦科學碩士學位。他成功領導並交付了超過 10 個高影響力的諮詢及研究項目，當中涵蓋製造、工程、供應鏈與自動駕駛等領域。他的專注領域在於工業人工智慧，旨在將人工智慧解決方案應用於實際產業的挑戰，從而支持博世全球業務的人工智慧轉型。

Mr Volker Pape, Supervisory Board Member, Viscom SE

 Viscom SE 監事會成員 **Volker Pape** 先生

Volker Pape was born in 1955 in Osnabrueck, Germany. After his school and military years he started studies at the University of Hannover, where he received his degree in electrical engineering (Diplomingenieur) from the University of Hanover.

In 1984, together with his partner Martin Heuser, founded the company which is today known as Viscom SE. This company initially was an engineering firm for image processing. Over the years it developed into a company strongly focusing on electronic industry application (AOI, AXI for pcb, semi, batteries). Since the beginning Volker Pape has - beside his development work - been responsible for sales and marketing and also did setup and drive the international business of Viscom in Europe, Asia and the Americas.



2018 he retired from the board of directors of Viscom and moved into the supervisory board. He still is an advisor to the board and also – directly and via a foundation structure – one of the two major shareholders of Viscom SE.

Beside his Viscom activities he is the Chairman of the Productronic Subdivision of the VDMA (German Mechanical Engineering Industry Association) since long years.

He is also the Chairman of the Board of the Hanover Centre for Optical Technologies (HOT) at the University of Hanover and member of

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the PhoenixD Excellence Cluster's International Advisory Committee (IAC). He is also member of the industry committee of the Hannover chamber of commerce.

Volker Pape 出生於 1955 年德國奧斯納布呂克。完成學業及兵役後，他於漢諾威大學進修，並取得電機工程學位 (Diplomingenieur)。於 1984 年，他與合夥人 Martin Heuser 共同創立如今為人所知的 Viscom SE。公司初始於專注影像處理工程，經過多年發展，逐漸轉向電子工業應用領域 (自動光學檢查、X 射線檢查，用於印刷電路板、半導體和電池等)。

自公司成立以來，除了負責研發工作外，Volker Pape 亦負責銷售和市場推廣，並推動 Viscom 在歐洲、亞洲和美洲的國際業務發展。2018 年，他從 Viscom 董事會退休，轉入監事會。他仍然是董事會的顧問，並透過直接投資和基金會，成為 Viscom SE 的兩大主要股東之一。

除了在 Viscom 的職責外，他長期以來擔任德國機械設備製造業協會 (VDMA) 的電子製造小組主席。他亦是漢諾威大學光學技術中心 (HOT) 董事會主席，以及 PhoenixD 卓越集群國際諮詢委員會成員。同時，他也是漢諾威商會的工業委員會成員。

Prof Ray Cheung Chak Chung, Associate Provost (Digital Learning), Professor, Dept of Electrical Engineering & Dept of Computer Science, City University of Hong Kong

香港城市大學協理務副校長 電機工程學系教授 張澤松教授

Professor Cheung received his bachelor's and master's degrees in Computer Engineering from the Chinese University of Hong Kong in 1999 and 2001 respectively. He obtained his doctorate in Computer Engineering from Imperial College London in 2007 and received a scholarship from the Croucher Foundation, conducting postdoctoral and doctoral research at the University of California, Los Angeles and Imperial College London. In 2009, he was a visiting researcher in the department of electrical and computer engineering at Princeton University. He currently serves as Associate Provost (Digital Learning) at City University of Hong Kong, the research group leader of the CityU Architecture Lab of Arithmetic and Security (CALAS), and has supervised 32 PhD students, graduate students, and one master student, 16 of whom have obtained their doctorates.

Professor Cheung's research includes encrypted hardware design, rapid prototyping of trustworthy computer platforms, efficient biomedical VLSI design, and mobile application development. He has published more than 200 journal and conference papers and received the Teaching Excellence Awards from the City University of Hong Kong in 2012 and 2022, the Hong Kong SAR 25th Anniversary Young Technological Pioneers, World Cultural Council (WCC) Award, Special recognition diploma etc. At the same time, Professor Cheung



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is the honorary treasurer of the IEEE Hong Kong Section, the chairman of the CAS/COM Sub-branch, and a member of the IEEE Hong Kong Section Computer Society Chapter Executive Committee. He also serves as an advisor to the Our Hong Kong Foundation, an advisor for Youth Development of the Centum Charitas Foundation, a member of the Hong Kong Curriculum Development Council, and the founder of Hour of Code Hong Kong.

張教授於 1999 年及 2001 年在香港中文大學獲得電腦工程學士和碩士學位，於 2007 年在倫敦帝國學院獲得電腦工程博士學位，並獲香港裘差基金會獎學金，於加州大學洛杉磯分校及倫敦帝國學院進行博士後及博士研究工作。2009 年，他以訪問研究員身份於普林斯頓大學機電工程系進行研究。他目前擔任香港城市大學協理學務副校長，香港城市大學演算法與安全結構實驗總監等，共指導 32 名博士、研究生及 1 名碩士研究生，16 位已取得博士學位。

張教授的研究內容包括加密硬體設計，快速成型的可信任電腦平台，高效生物醫學超大型積體電路設計及手機應用程式開發，至今發表了 200200 多篇期刊論文和會議論文。張博士於 2012 年及 2022 年獲得城大優秀教學獎，香港回歸 25 週年青年科創先鋒，世界文化協會特別成就獎等獎項。同時，張教授是 IEEE 香港分會司庫，CAS/COM CAS/COM 分會主席，以及 IEEE 香港分會電腦分會執行委員會成員，並擔任團結香港基金顧問、百仁基金青年發展事務顧問、香港課程發展議會成員，一小時編程香港創辦人等。

Moderator Profile 主持人簡介

Dr Humphrey Leung is Founder and CEO of Growgreen Limited and Founder and Chairman Emeritus, Solomon Systech Limited. He is actively involved in advancing the semiconductor industry, serving on numerous committees and organisations, including Vice Chairman of HKEIA and Vice President of the Hong Kong Semiconductor Industry Council, Council Member of The Hong Kong University of Science and Technology, Court Member of The Hong Kong Polytechnic University and Director of MRDI etc., and is committed to corporate social responsibility and community service. A lifelong learner, he graduated from Hong Kong Polytechnic in 1979, received a Master's in Engineering from the University of Hong Kong in 1990, and a DBA from PolyU in 2010. His accolades include the Young Industrialists Award in 2001, the Outstanding PolyU Alumni Award in 2003, the Outstanding Achievement Award by CSIA in 2004 and an honorary fellowship from HKUST in 2007 and from PolyU in 2014. He was appointed Justice of the Peace in 2013.



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梁廣偉博士為青萌有限公司創辦人及行政總裁和晶門科技有限公司創辦人及永久榮譽主席。梁博士致力推動半導體和電子行業的發展，出任多個香港特別行政區政府機構的委員會及專業團體的公職。他現為香港電子業商會副會長及教育基金副主席、香港半導體行業協會副會長等。他亦熱心公益，積極履行企業社會責任，獲委任為香港科技大學校董會成員，香港理工大學顧問委員會成員，香港微電子研發院董事。梁博士好學不倦，於1979年畢業於香港理工學院（香港理工大學前身）電子工程學系，其後於1981獲頒理工電子工程院院士，並分別在1990年及2010年取得香港大學工業工程碩士學位和理大工商管理博士學位。2001年，梁博士獲香港工業總會頒發香港青年工業家獎，又於2003年獲選為傑出理大校友。2004年，他獲中國半導體行業協會頒發傑出成就獎，2007年獲頒香港科技大學榮譽院士，2014年獲頒香港理工大學院士。為表揚梁博士對社會及業界的貢獻，香港特別行政區政府於2013年委任他為太平紳士。

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