

Hong Kong Electronic Forum

香港電子論壇

Micro-electronics (microLed) and Advanced Manufacturing

微電子及先進製造

Date 日期 : 15 / 10 / 2019 (Tuesday 星期二)
Time 時間 : 10:30am – 12:30pm
Venue 地點 : The Stage, Hall 5FG, Hong Kong Convention & Exhibition Centre
香港會議展覽中心展覽廳 5FG “The Stage”
Language 語言 : English and Putonghua (With simultaneous interpretation service)
英語及普通話 (附設即時傳譯服務)
Remarks 備註 : Free Admission (Please click [HERE](#) to register online)
免費入座 「[按此](#)」登記

| Time 時間 | Programme 程序表 |
|-------------------|---|
| 10:15am – 10:30am | Registration 登記 |
| 10:30am – 10:32am | Welcoming Remarks by 致歡迎辭 Dr Humphrey Leung, Vice Chairman, Hong Kong Electronic Industries Association 香港電子業商會副會長 梁廣偉博士 |
| 10:32am – 10:38am | Souvenir Presentation to Speakers 頒發紀念品予演講嘉賓 Mr Will Li, Senior Exhibitions Manager, Hong Kong Trade Development Council 香港貿易發展局 展覽事務高級經理 李鍵文先生 Ms Joanna Wong, Project Director, MMI Asia Pte Ltd |
| 10:38am – 10:40am | Group Photo Taking with all representatives 代表合照 |
| 10:40am – 11am | Taking the Next Step in Manufacturing: Cloud-Driven Robot Programming with the Wandelbots TracePen Mr Christian Piechnick, Chief Executive Officer, Wandelbots GmbH |
| 11:05am – 11:25am | Smart Manufacturing and Measurement Mr Brian Ng, Vice President, Automated Precision Inc. 愛佩儀傳感信息科技有限公司副總裁 吳思雄先生 |
| 11:30am – 11:50am | Revolution in MiniLED & MicroLED applications beyond IMAGINATION Mr Raymond Wang, Acting Chief Executive Officer, Solomon Systech (International) Limited Solomon Systech (International) Limited 署理行政總裁 王華志先生 |
| 11:55am – 12:15pm | Technological Evolution of Large Scale Displays Dr Laurent Collot, CEO and co-founder, Deepsky Corporation Limited |
| 12:15pm – 12:30pm | Q&A 問答環節 Dr Lau Hing Keung (劉慶強博士), George, Deputy Academic Director, IVE Engineering |



Organisers 主辦機構:



Co-organisers 合辦機構:



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Speaker Profile 講者簡介

Mr Christian Piechnick, Chief Executive Officer, Wandelbots GmbH



After receiving his Diploma in Media Computer Science Christian Piechnick started his PhD on "Role-Based Self-Adaptive Software Architectures" at the Technische Universität Dresden (Germany). Christian is one of the co-founders of the international workshop series "Model-Driven Robot Software Engineering" (MORSE) and the initiator of the "Robots in Saxony" (RoX) network. During his time as a researcher Christian managed several national and international research projects focusing on runtime reconfiguration of software. In 2016 Christian was one of the co-founders of Ubiance, a startup focusing on human-machine interaction. In 2017 Christian was among the founders of Wandelbots joining the company in the role of CEO. Wandelbots is the leading Start-up for robotic teaching software. Within the first 15 months Wandelbots has grown from just two to over 60 employees and recently closed a 6 million Euro Series-A investment round. Christian is also the chairman of the advisory board for the industrial excellence cluster Smart Systems Hub as part of the German Hub initiative.

Wandelbots democratizes robot programming. We enable everyone to program and run an industrial robot using wearables and smart teaching devices. Robotics will become faster to start with, more flexible to operate, while being much more cost-efficient.

Presentation Abstract

In today's globalised markets for industrially produced consumer goods, the flexibility and speed of production have more importance than ever before. Industrial automation, even though it previously enabled tremendous gains in efficiency, has been lacking radical innovation for a long time. Yet, companies of all sizes increasingly require robots which can change from one application into the next at low reconfiguration cost. Robots should also be able to execute a task on different product models since diversification has been a major driver of growth in recent years. Overall, in modern production lines the convenience of the (re-)programming process has become the deciding factor for successful automation. Still, robot programming continues to be a job only for trained experts with specialist qualifications. Wandelbots has developed with the TracePen a smart, sensor-equipped, tool-like input device for training industrial robots to execute new tasks in a very short time. The user simply performs the tasks that shall be automated with the TracePen in his or her hand. The built-in sensors capture the position and orientation of the tool in the workspace, generating motion data which later allow the robot to repeat the demonstrated task. Especially for applications common in the electronics industry the TracePen offers a wholly new way of programming industrial robots making automation more flexible, cost-effective and easy-to-use than ever before.

Mr Brian Ng, Vice President, Automated Precision Inc.

愛佩儀傳感信息科技有限公司副總裁 吳思雄先生



Automated Precision Inc. is a world leader of advanced metrology solutions for industry. Founded by Dr Kam Lau in 1987, API has pioneered progressively higher standards of accuracy for coordinate measuring and machine tool operation. API products are installed and used by all of the world's leading automotive, aerospace, machine tool, and CMM manufacturers. API is prepared and equipped to provide hardware and software solutions for all complex problems encountered in the manufacturing industry.

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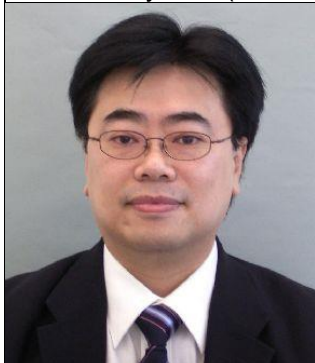


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Mr Raymond Wang, Acting Chief Executive Officer, Solomon Systech (International) Limited

Solomon Systech (International) Limited 署理行政總裁 王華志先生



Joining Solomon Systech for more than 10 years, Mr. Raymond Wang is the Acting Chief Executive Officer. He is a chartered engineer with over 30 years of professional and management experiences in the semiconductor industry and abroad respectively, including that in Motorola at senior management positions. He had also worked in the US, Canada and Israel.

He graduated from the City University of Hong Kong with a bachelor's degree in electronic engineering. He obtained an MBA degree from the Victoria University of Wellington and a master of arts degree from the Chinese University of Hong Kong.

王華志先生加盟 Solomon Systech 逾 10 年，現為署理行政總裁。彼為特許工程師，擁有逾 30 年的半導體行業及海外管理經驗，包括在摩托羅拉出任高管職位，並曾於美國、加拿大及以色列等地工作。

彼持有香港城市大學電子工程學士學位，同時獲紐西蘭威靈頓維多利亞大學頒發工商管理碩士學位及香港中文大學頒發文學碩士學位。

Dr Laurent Collot, CEO and co-founder, Deepsky Corporation Limited



Dr L Collot, an Ecole Normale Supérieure, Paris, alumni, has received his Doctorat from Université P&M Curie, Paris 6, in Quantum Optics in 1994. He has contributed to the development of the emerging field of Quantum non demolition measurements in the optical domain, at the LKB laboratory in Paris and at the Max-Planck-Institute for Quantum Optics, Germany.

After a spell at Thales Group as a laboratory leader, he has advised many top 100 high-tech companies in the field of optronics, laser imaging, AI, computer vision and robotics.

He co-founded Deepsky Corporation Limited in Hong-Kong in 2012 with the goal of improving the dynamic range, resolution and cost of large digital displays, using chip-level LED emitters.

Presentation Abstract

Starting from the current state of the art, the presentation will establish some scaling principles, which explain why the industry is moving towards mini or micro inorganic LEDs. We will also debate what should be improved for the micro-led displays to displace the existing technologies.

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