

ALEX

7-8 November

Singapore

Southeast Asia 2019

Marina Bay Sands Convention Centre
Jasmine Ballroom | Level 3

Topics and Abstracts:

Speaker	Dr. Albert Lu
Company	Interlink Electronics, Inc.
Designation	Chief Technology Officer
Title of Presentation	Flexible Hybrid Electronics (FHE) Technology Platforms for Emerging Human Machine Interface (HMI) Applications.
Abstract	<p>Relentless market demand for seamless connectivity and interactive user interfaces is driving a paradigm shift in the Human-Machine Interface and Internet of Things (IoT) landscape. Flexible hybrid /printed electronics, comprising of multi-disciplinary disruptive technology platforms, will enable novel physical form factor and intelligent surfaces. These new attributes can be harnessed in product design and innovation to enhance human-machine interface functionality across IoT devices, systems and applications. This presentation will provide an overview of flexible hybrid/printed electronics technology platforms and the value chain across key disciplines including functional materials, manufacturing processes, devices and applications. The presentation will also provide examples in translating flexible hybrid/printed electronics device platforms into human-machine interface solutions.</p>

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Biography



Dr Albert Lu is the Chief Technology Officer of Interlink Electronics Inc. His key responsibilities include spearheading strategic technology roadmap, pursuing synergistic global R&D partnerships, leading global R&D team and maintaining Interlink Electronics' competitive advantage in the human-machine interface technology landscape. Prior to joining Interlink Electronics, Dr Lu was with Singapore Institute of Manufacturing Technology (SIMTech) for 15 years. In this role, he spearheaded R&D collaborations and industry consortia in disruptive and emerging technology platforms with multinational corporations and local enterprises. He also pioneered and managed Singapore's key public sector R&D center and pilot line for roll-to-roll manufacturing of functional films and printed electronics. Dr. Lu obtained Ph.D. and B. Eng. in Electrical Engineering from the University of Manchester Institute of Science and Technology in the U.K. He also received the Lee Kuan Yew Award for Mathematics and Science in Singapore and the Institution of Electrical Engineers Prize in the U.K.