Topics and Abstracts:

Speaker	**Mr Rick Yeo**
Company	**A*STAR – Singapore Institute of Manufacturing Technology**
Designation	**Director, Emerging Application Center**
Title of Presentation	**Developing a vibrant eco-system of Flexible Hybrid Electronics for Smart Wearable & IoT product innovation**
Abstract	Printed Electronics and sensors for Smart Wearable Tech & IoT market is the fastest growing market in the world and according to latest market report by IDTechEx and it is expected to grow to $160b by 2026. Printed Electronics & Sensor Technology for Smart wearable & IoT technology will drive innovation & productivity in all sector of Singapore economy. We in A*STAR SIMTech are driving various initiatives to develop a vibrant eco-system for Singapore wearable Tech & IoT industry as part of Singapore Smart Nation push. We have started the CIP program on Smart Wearable product innovation in Feb 2018 and 21 companies (7 MNCs and 14 SMEs) been working with SIMTech A*STAR for 9-12 months to develop various Smart wearable products and solutions for various industry. We are on the way to develop a vibrant eco-system of wearable technologies industry in Singapore, which include the hardware product designers, Printing & Precision Engineering manufacturers, garment & apparent manufacturers, sensors and components suppliers, equipment suppliers, material suppliers and also web service designer and providers. In 2019 September, we have just started another Collaborative Industry Project (CIP) program on Capability Building for Functional Printing of Printed Electronics for Smart Wearable and IoT to enable various Printing companies to participate in this program and become part of the vibrant eco-system of printed electronics for wearable technologies Industry for Singapore. There are a lot of business opportunities for all in Printed Electronics & Smart Wearable Tech.

	My talk will provide an overview of all the Flexible Hybrid Electronics technologies, which combines the traditional electronics technology and printed electronics technology. FHE is key enabling technology for advanced Smart Wearable and IoT product innovation. I will be announcing a new Collaborative Industry Project (CIP) on Flexible Hybrid Electronics for Smart Wearable and IoT during my talk . This new CIP program will start in Q2 2020 and is supported by various government grant. CIP members will be working with SIMTech to acquire various Flexible Hybrid Electronics (FHE) technologies and develop various FHE solution for Automotive, MedTech, Wearable , IoT and other industies. CIP members will also be exposed to various business opportunities in FHE from local and overseas.

Biography

Rick Yeo Chee Keong is currently the Director, Emerging Applications Centre of Singapore Institute of Manufacturing Technology (SIMTech) - a research institute of A*STAR.

The Emerging Applications Centre (EAC) mission is to seed and grow emerging industry sectors by identifying and growing the application development, adoption and commercialization of the technologies developed under SIMTech Research Programmes, namely Microfluidics Manufacturing Program and Large Area Processing.

For Large Area Processing, EAC spearheads business development and application development of various printed electronics and Flexible Hybrid Electronics products using SIMTech's 'state-of-the-art 'roll to roll manufacturing technology