

Physical Talk

Topic: Additive Manufacturing: Advancing The Future of Manufacturing

Jointly organized by:
Mechanical Engineering Technical Division, IEM & IMechE Malaysia Branch

Date: 07th March 2023 (Tuesday)

Time: 5.30pm – 7.30pm

Venue: Malakoff Auditorium, Wisma IEM, PJ

BEM Approved CPD/PDP Hours: 2

Ref No: IEM23/HQ/059/T

REGISTRATION FEES

IEM Students: Free

IEM Members/IMechE Members:

RM15 (Online) / RM20 (Offline)

Non-IEM Members: RM70

Synopsis

Additive manufacturing is a vital component of Industry 4.0, the key technology in manufacturing customized products. Manufacturers are beginning to see the benefits of additive manufacturing as it helps to reduce material wastage, provide shorter time-to-market, and able to create complex parts that are challenging to be manufactured using conventional processes. In addition, parts that were previously required assembly from multiple pieces can be fabricated as a single object which can provide improved strength and durability. AM can also be used to fabricate unique objects or replacement pieces where the original parts are no longer produced. No doubt that with additive manufacturing, it becomes possible to develop an agile manufacturing environment and achieve decentralized manufacturing.

While additive manufacturing seems new to many, it has actually been around for several decades. Today, additive manufacturing is getting faster and more reliable due to technology advancement. The technology is now growing into a mainstream manufacturing technique not just for prototypes, but for advanced part production. This can be seen during the pandemic time where AM steps out to produce parts due to global lockdown. Even now, as economies transition into recovery, the benefits offered by additive manufacturing, that came so useful in times of restrictions continue to show their worth. Adoption and usage of additive manufacturing in Malaysia is still in nascent stage. To keep up and stay competitive in the present global economy, it is necessary for the manufacturing industry in Malaysia to adopt and adapt new frontiers of technologies such as additive manufacturing, or risk falling behind. The goal is to share how AM can play a role in manufacturing, how it has impacted globally and how to start adopting the technology in your organization.

Speaker profile

Lim Mun Chun is the Business Development Manager for Materialise, a leading company that is focusing on Additive Manufacturing/3D printing globally. He now leads the Southeast Asia, Australia & New Zealand region with focuses on overall strategy for business development and fosters client relationships. He started off his career as a Project Engineer and developed an interest in Additive Manufacturing with a view that the technology will revolutionize how things are made in the future. For the past 8 years in the additive manufacturing industry, he has developed vast experience on overall additive manufacturing industry in Asia Pacific including market trend, hardware and software

Prior to his appointment at Materialise, He worked as a Senior Market Analyst in IDC Market Research firm. He is responsible for building data and analyzing trends for additive manufacturing in Asia/Pacific by working closely with analysts across the region and engaging with stakeholders in the market. He is now leveraging knowledge and experience gained on the market and helps organizations to optimize their AM through software solutions and consultancy in Materialise. He has also regularly been invited as a speaker in various events to promote awareness of additive manufacturing.

Mun Chun graduated from UCSI University in Malaysia with a Bachelor of Engineering Degree in Mechanical Engineering.

Ir. Dr. Aidil Chee Tahir

Chairman, Mechanical Engineering Technical Division, IEM

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