



ORGANISED BY MATERIAL ENGINEERING TECHNICAL DIVISION (MATD)

WEBINAR TALK ON

"FROM CONVENTIONAL POLYMER INJECTION MOULDING TO METAL OR CERAMIC INJECTION MOULDING (POWDER METALLURGY ROUTE)"

DATE	LOCATION	TIME
25TH MAY 2023 THURSDAY	ONLINE PLATFORM	10:00 AM - 12:00PM

BEM APPROVE CPD HOUR: 2.0
REF. NO.: IEM23/HQ/168/T (w)



SPEAKER:
Prof. Dr. Abu Bakar Sulong

IEM Students: FOC
IEM Members: RM15
Non-IEM Members: RM70

SYNOPSIS

Injection Moulding is near net shape process that is dream for all manufacturer of components. Traditionally, polymer widely been injection moulded. Where, it gives advantages of mass production, complexity in design (3D shapes) and precision tolerances. Thus, significant reduce production cost proven. Imaging, that metal or ceramic components also able to produce by injection moulding can benefited above advantages. Proven that part produced by machining that able to reduce up to 70% by Metal Injection Moulding. In this webinar, fundamental and theories of Metal Injection Moulding will cover at beginning and continue with practical, research and industrial applications.

ABOUT SPEAKER

Abu Bakar Sulong is Professor at the Dept. of Mechanical and Manufacturing Engineering, UKM. He graduated with a BEng (Hons) in Mechanical and System Engineering from Gifu University Japan, 2001. He then worked as an trainee engineer in SMK Corporation in Ibaraki, Japan for a year followed by as a design engineer in Malaysia for two years. He then continued his studies in March, 2004. In 2008, he received his PhD from Sejong University, South Korea under Advanced Material Processing Lab, Mechanical and Aerospace Engineering Department. He teaches for undergraduate and post graduate of Mechanical Engineering Programme. He served as Editor-in-Chief for Jurnal Kejuruteraan (Journal of Engineering) an indexed ESCI (WoS). Currently, he is deputy director at Center of Research and Instrumentation Management UKM (CRIM). His specializations are in the area of Composite Material Processing and Powder Metallurgy. He also recipient Top Research Scientist Award 2021 by Academy Science Malaysia. He has experienced as project and programme leader for grants worth more than RM5 million. Based on Scopus data on April 2022, he has 272 published documents, 5072 citations, 36 h-index with nearly 150 manuscripts in Q1 and Q2 journals. He been invited as keynotes, invited talks and speakers at various international and national conferences. He is also a Professional Engineer with Practice under Board Engineer Malaysia (BEM). He also serves as engineering programmes accessor and external examiner, panel for grants evaluation and committee of professional organizations.