The Institution of Engineers, Malaysia
(Penang Branch)

ZOOM
Online Talk

BEM Approved
CPD/PDP Hours: 2
Ref:IEM22/PG/189/T(w)

COMPLETE GUIDE TO DESIGN JIG & FIXTURE

Thursday
21 July 2022

3.30pm – 5.30pm

REGISTER ONLINE @
event.iempenang.org

IEM Member: FOC
Non-IEM Member: RM 50

Speaker:
Ir. Dr. Ahmad Baharuddin

Moderator:
Mr. Phuah Yong Zhen

This Talk is organized by:
Young Engineers Section, IEM Penang Branch

Sponsored by:

United Plumbing and Sanitation Sdn. Bhd.

Synopsis

Jigs and fixtures are production tools used to accurately manufacture part and assembly. They are specially designed so that large numbers of components can be machined or assembled precisely and repeatedly. Jig and fixtures are commonly used in a production to reduce production time, cycle, and cost. In industries the application of these work-holding and tool guiding devices are critical, therefore understanding the basic principle of the jig and fixture is very important, which result in an effective and efficient design.

In this webinar, we will discover more about the factors to be considered in designing the jig and fixtures, latest research works by the academia and most importantly recent demands by the industries.

About the Speaker

Ir. Dr. Ahmad Baharuddin research interest is in sheet metal forming, tool and die, friction stir welding and wire arc additive manufacturing. He joined the School of Mechanical Engineering USM as tutor in 2000 and promoted to lecturer in 2003, senior lecturer in 2007 and Associate Professor in 2014 at the same place. Throughout his career, he had authored for more than 100 articles published in journals and conference proceedings, several engineering books, recently entitled “Hole-Making Technologies for Composites: Advantages, Limitation and Potential” published in 2020 and E-book related to teaching. In the year 2020, he has been appointed as external examiner for academic program in Stamping Die at Kolej Kemahiran Tinggi MARA (KKTM), Penang and on welding technology at Kolej Vokasional Sultan Haji Ahmad Shah, Pahang.

Ir. Dr. Ahmad Baharuddin had been invited to deliver keynote speech at several international conference recently at Global Webinar on Mechanical and Mechatronic Engineering Conference 2022 (GWMMEC-2022) on the topic of Lightweight Manufacturing in an Automotive Industry. He is certified TTT under HRDF and member in several professional body including MySET and BEM.