

# RESUME



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## Academic Qualifications

PhD, 2013, 'The Development of a Heat Assisted Section Rolling Process for Strip', Material Modelling & Metal Forming Group, Imperial College London, United Kingdom

Master in Manufacturing System, 2004, 'Computer Analysis of Heat Exchanger Finned Tube Design', Universiti Kebangsaan Malaysia, Malaysia

Bachelor in Engineering, 1994, Mechanical & Materials Engineering, Universiti Kebangsaan Malaysia, Malaysia

## Experiences

Sony Electronics (M) Sdn Bhd, Product Development Engineer, 1994-1996

Topaire (M) Sdn Bhd / Dunham Bush Ind. Bhd, R&D Engineer, 1996-2004

Universiti Malaysia Pahang, Lecturer, 2004-Present

## Research Interest

My PhD research focused on experimental and numerical study on the heat-assisted forming for strip. At present, my research is mainly focused on performance of the advanced high strength steel (AHSS) in cold roll forming (CRF) process. The other areas of research are on production improvement using simulation technique and functional surface engineering.

Research keyword: Finite Element Analysis, Sheet Metal Forming, Production Optimizations, Functional Surfaces

## Research Project/ Grants

Design & Simulation of Robotic Welding System, Member, UMP's Internal Grant, 2004-2005

Hybrid Cold Formed Steel Process, Collaboration project between The University of Birmingham and Banro Sections Limited (Industry Grant), Member, 2006-2009

Experimental and numerical study of geometry variability in cold roll forming process of advanced high strength steel (AHSS), Leader, UMP's Internal Grant, 2013-2015

Innovation in tool design and production layout for fish cracker industry, Knowledge Transfer Programme's Grant (National), Leader, 2013-2015

Design and Fabrication of Functional Surfaces with Controllable Wettability, Adhesion and Reflectivity, Research and Innovation Staff Exchange Grant – RISE (International), Member, 2014-2017