

JOURNAL OF

Advanced Manufacturing Technology

Vol. 13 No. 2 (2) (2019)

Theme

Industry 4.0 - Manufacturing Excellence & Sustainability

Chief Editor

Mohd Rizal Salleh

Editors

**Effendi Mohamad, Jeefferie Abd Razak,
Mohamad Ridzuan Jamli and Mohd Edeerozey Abd Manaf**

The logo for the journal 'Advanced Manufacturing Technology' (AMT). It features the letters 'AMT' in a bold, italicized, yellow font. The 'A' is stylized with horizontal lines extending to the left, suggesting speed or technology. The 'M' and 'T' are also bold and italicized. The entire logo is set against a blue background with a subtle pattern of the journal's title.

**JOURNAL OF
ADVANCED MANUFACTURING TECHNOLOGY**

Contents

**7th International Conference on Design and Concurrent Engineering
(iDECON 2018)**

<i>No.</i>	<i>Title</i>	<i>Page</i>
1.	Predictive Controller with Kalman Filter for Intelligence Pneumatic Actuator (IPA) <i>K. Osman, A.N. Ahmad Sukri, S.F. Sulaiman, A.R. Azira and M.F. Faujan</i>	1
2.	Evaluating Neuromarketing Technique on Consumer Satisfaction Using EEG Imaging <i>N.A. Mahamad, M.K.M. Amin and O. Mikami</i>	11
3.	Neuroimaging Electroencephalography (EEG) Application on Human Electrical Brain Activities During Meditation and Music Listening <i>A.A. Helman, M.K.M. Amin, A.K.M. Muzahidul Islam and O. Mikami</i>	23
4.	Exploring the Subconscious Decision Making in Neuromarketing Research Using Eye Tracking Technique <i>H.S. Azman, M.K.M. Amin and S. Wibirama</i>	35
5.	EEG Imaging Application on Positive Emotion of Affective Neuroscience <i>A.A. Helman, A.S. Mohd Arhan, M.K.M. Amin, A.K.M. Muzahidul Islam and O. Mikami</i>	45
6.	Applying Eye Tracking Device on the Gazing Behaviour and its Effects on Emotions Attributes <i>S. Thiyagarajan, M.K.M. Amin, S. Wibirama and O. Mikami</i>	57
7.	Exploring the Eye Tracking Data of Human Behaviour on Consumer Merchandise Product <i>N.H. Baharom, S.R. Aid, M.K.M. Amin, S. Wibirama and O. Mikami</i>	69
8.	Electroencephalography (EEG) Application in Neuromarketing- Exploring the Subconscious Mind <i>N.A.S. Shaari, M.M.J. Syafiq, M.K.M. Amin and O. Mikami</i>	81
9.	Tracking the Eye-Mind Relationship of Positive Emotion Using Eye Tracking Technique <i>S. Thiyagarajan, S.N. Rosli, M.K.M. Amin and S.Wibirama</i>	93
10.	2.45 GHz Rectenna Design for RF Energy Harvesting <i>M.A. Meor Said, Z. Zakaria, M.N. Husain, M.H. Misran, M.M. Yunus, M.M. Ismail and A. Abu Khadrah</i>	101
11.	Engine Performance Comparison between Various RON97 Gasoline Brands Available in Malaysian Market <i>A.F.M. Riduan, N. Tamaldin, A.K.M. Yamin and A. Sudrajat</i>	115

Chief Editor

First and foremost, warm greetings to all the readers. I am delighted to announce the publication of a special issue of the Journal of Advanced Manufacturing Technology (JAMT). JAMT is publishing the 2nd volume, featuring articles from the 7th International Conference on Design and Concurrent Engineering (iDECON 2018) held at Riverside Majestic Hotel in Kuching, Sarawak.

The special issue comprises articles which are deemed suitable with the conference's goals. The goal of this conference was to provide a platform for researchers to recognize their potential for collaborative relationships, expand their research activities globally, thus, forming international strategic alliances. Apart from that, iDECON 2018 was expected to be a catalyst for academics to produce robust engineering solutions beyond current or dominant technologies; improve, innovate, and invent through a blend of science, engineering and technology to achieve manufacturing sustainability in line with the IR 4.0.

I wish to take this opportunity to thank all the individuals involved in this publication particularly the editorial and technical boards for their tireless efforts in ensuring the continued success of JAMT. Moreover, my gratitude is extended to all contributors as well.

Best wishes and thank you for your support.