

CURRICULUM VITEA



PERSONAL PARTICULARS

Name : Ir. Ts. Dr. Mohammad Azzeim Bin Mat Jusoh
Address : T1-A12-11A, School of Mechanical Engineering, College of Engineering,
Universiti Teknologi MARA, 40450, Shah Alam, Selangor
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EDUCATION

Name of Institution : Nagoya University of Japan
Year : 2012~2017
Qualifications : Doctor of Information Science

Name of Institution : Universiti Putra Malaysia
Year : 2007~2008
Qualifications : Master in Innovation and Engineering Design

Name of Institution : Saga University of Japan
Year : 1996~2000
Qualifications : Bachelor in Mechanical Engineering

Name of Institution : University of Malaya (Ambang Asuhan Jepun)
Year : 1994~1995
Details : Preparation course for Japan student (Under JPA)

Secondary School : Malay College Kuala Kangsar
Year : 1989~1993
Qualifications : SPM & SRP

CAREER HISTORY AND EXPERIENCE

- a) Year : 10th April 2000 ~ 7th July 2007
Company Name : JVC Video Malaysia
Position : Engineer
- b) Year : 24th December 2008 ~ current
Institution Name : Universiti Teknologi MARA (UiTM) Shah Alam
Position : Senior Lecturer

National Level Professional (Engineering) and Research Members

- Members of Board of Engineers Malaysia (BEM) No: 67410A
- Corporate Members of The Institution of Engineers Malaysia (IEM) No: 50232
- Associate member (UAMAE) for The IRED (Institute of Research Engineers and Doctors) Membership No: AM1005827
- Member of The International Association of Engineers (IAENG) Membership No: 104729

List of subjects:

- Mechanical Engineering Design 1&2 (MEC531/MEC532)
- Vibration (MEC521)
- Control Engineering (MEC522)
- Mechanics of Material (MEC411)
- Numerical method (MEC500)
- Introduction to Engineering and Problem Solving (MEC400)

International Research Funding

- Geran Lestari, Development of A Pico Hydroelectric System with Smart Energy Storage for Domestic Use, Grant of RM20,000 (From year 2019~2022)
- Geran FRGS, Control Characterization of a Highly Sensitive Three-Dimensional Macrofluidic Flow Measurement in Dynamic Airflow Modeling, Grant of RM75,000 (From year 2019~2021)
- The Hori & Science Foundation, Principal Researcher on the Fundamental Research on Kinetic Illusion for Rehabilitation Purpose, Grant of ¥500,000 (From year 2013~2014)
- Dana Kecemerlangan UiTM, Principal Researcher on the Mini Hydroelectric- The Potential Study of Waterflow in Domestic Pipelines (600-RMI/DANA 5/3/RIF (120/2012)), Grant of RM32,000 (From year 2012~2013)
- Dana Kecemerlangan UiTM, Researcher on Kansei Affective Engineering (600-RMI/DANA 5/3/REI (6/2013)), Grant of RM32,000 (From year 2013~2016)
- Dana Kecemerlangan UiTM, Researcher on Emotive Halal Tourist Experience Model (600-IRMI/DANA 5/3/REI (10/2017)), Grant of RM20,000 (From year 2017~2019)

- Dana Kecemerlangan UiTM, Researcher on the Effects of Material Combination on Energy Absorption Performance of Hat-Section Tubes Subject to Lateral Loading (600-IRMI/MyRA 5/3/Lestari (023/2017)), Grant of RM32,000 (From year 2017~2019)

List of Publications:

<Journals>

Jaafar, Siti Aisyah, Sukarnur Che Abdullah, Mohammad Azzeim Mat Jusoh, Farok Azmat, and Ahmed Jaffar. "AR Simulasi: An Augmented Reality Real-Time Cloud-based Simulation for Off-Site Monitoring in Industrial Manufacturing Application." *International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies* 12, no. 9 (2021): 1-9.

Jusoh, Mohammad Azzeim Mat, Muhamad Sufian Che Ashari, and Helmi Rashid. "Design of the Portable Motorcycle Cover." In *IOP Conference Series: Materials Science and Engineering*, vol. 834, no. 1, p. 012001. IOP Publishing, 2020.

Abdullah, Sukarnur Che, Mohamad Dzulhelmy bin Amari, Mohammad Azzeim bin Mat Jusoh, and Faiz Ameer Bin Aziz. "Design Optimization and Experiment Verification of Air Sensor's Calibration Tool." *International Journal of Mechanical Engineering and Robotics Research* 9, no. 4 (2020).

M. A. M. Jusoh, Masahiro Ohka, Tetsu Miyaoka, S. C. Abdullah and Hashim, Hafizan. "Psychophysics behavior of human tactile mechanism to discriminate extremely thin copper foils." *International Journal of Engineering & Technology* 7, no. 4.26 (2018): 110-114.

Hashim, Hafizan, Hanita Hashim, Arif Affendi Jamal, and M. A. M. Jusoh. "Theoretical Bending Collapse of Hat-Section Tubes." *International Journal of Engineering & Technology* 7, no. 4.26 (2018): 153-158.

Sugiman, Kenji, Masahiro Ohka, and Mohammad Azzeim bin Mat Jusoh. "A Basic Paper Handling Task Experiment Using Tri-axial Tactile Data." *Procedia Computer Science* 105 (2017): 270-275.

Jusoh, Mohammad Azzeim Mat, Masahiro Ohka, and Tetsu Miyaoka. "Comparison of Tactile Discriminations to Verify the Undetectable Region of SUS Foil Thickness." *Journal of Telecommunication, Electronic and Computer Engineering (JTEC)* 8, no. 7 (2016): 83-86.

Jusoh, Mat, Mohammad Azzeim, Muhamad Fauzi Othman, Zubli Quzairov Zubli, Mohd Noh, Mohd Hafiz, Abdul Hamid, Ahmad Hussein, and Sukarnur Che Abdullah. "The Structural Analysis of a Mini Hydroelectric System." In *Applied Mechanics and Materials*, vol. 699, pp. 601-606. 2015.

bin Mat Jusoh, Mohammad Azzeim, Masahiro Ohka, and Tetsu Miyaoka. "Finite Element Analysis of Human Tactile Sensing to Differentiate Thin Foils through Comparison Between Vertical & Angled Loads." *Procedia Computer Science* 76 (2015): 40-46.

Sugiman, K., M. A. M. Jusoh, M. Ohka, H. Yussof, and S. C. Abdullah. "Thin Flexible Sheet Handling Using Robotic Hand Equipped with Three-axis Tactile Sensors." *Procedia Computer Science* 76 (2015): 155-160.

Jusoh, Mohammad Azzeim Mat, Muhamad Fauzi Othman, Zubli Quzairov Zubli, Mohd Hafiz Bin Mohd Noh, and Ahmad Hussein Bin Abdul Hamid. "Preliminary Design of a Mini Hydroelectric System." *Procedia-Social and Behavioral Sciences* 129 (2014): 198-205.

Jusoh, Mohammad Azzeim Mat, Ohka Masahiro, and Wang Yu Chun. "Finite Element Analysis on the Mechanism of Human Tactile Sensation in Comparing Different Material Properties and Thickness." In *Applied Mechanics and Materials*, vol. 393, pp. 617-622. 2013.

Jusoh, Mohammad Azzeim Mat, Mohd Syahar Mohd Shawal, Mohd Nor Fadhli Mohammad, Helmi Rashid, Razali Hassan, Muhamad Fauzi Othman, and Hazran Husain. "Integration of Engineering Design and CAE Tools in Generating the Preliminary Design of a Vacuum Chamber for Internal Combustion Use." *Procedia Engineering* 41 (2012): 1769-1774.

Rashid, Helmi, Mohd Khairol Anuar Mohd Ariffin, Mohd Hafiz Mohd Noh, Abdul Halim Abdullah, Ahmad Hussein Abdul Hamid, Mohammad Azzeim Mat Jusoh, and Akbar Othman. "Design Review of Scissors Lifts Structure for Commercial Aircraft Ground Support Equipment using Finite Element Analysis." *Procedia Engineering* 41 (2012): 1696-1701.

<Conference papers>

Jusoh, Mohammad Azzeim Bin Mat, Mohd Taufiq Bin Ismail, Helmi Bin Rashid, Anitawati Mohd Lokman, and Ahmad Khushairy Bin Makhtar. "Conceptual Design of the Mechanical Transfer Lift: Through the Application of EDP And KE." In *International Conference on Kansei Engineering & Emotion Research*, pp. 229-238. Springer, Singapore, 2018.

Jusoh, Mohammad Azzeim Mat, Mohd Taufiq Ismail, Sukarnur Che Abdullah, Helmi Rashid, and Hafizan Hashim. "Preliminary design of a mechanical transfer lift for disabled patient." In *2017 International Symposium on Micro-NanoMechatronics and Human Science (MHS)*, pp. 1-6. IEEE, 2017.

Jusoh, Mohammad Azzeim Mat, Kenji Sugiman, Masahiro Ohka, Tetsu Miyaoka, and Anitawati Mohd Lokman. "Towards developing an algorithm in discriminating thin material using tri-axial tactile data from human tactile sensation." In *Micro-NanoMechatronics and Human Science (MHS), 2016 International Symposium on*, pp. 1-4. IEEE, 2016.

Abdullah, Sukarnur Che, M. Azzeim M. Jusoh, Nazri M. Nawi, and M. Dzulhelmy Amari. "Robot arm simulation using 3D software application with 3D modeling, programming and simulation support." In *Micro-NanoMechatronics and Human Science (MHS), 2016 International Symposium on*, pp. 1-3. IEEE, 2016.

Jusoh, M. Azzeim M., Masahiro Ohka, Yu Chun Wang, and Tetsu Miyaoka. "Understanding of human tactile mechanism in comparing material properties through the analysis of displacement

on foil surface." In Micro-NanoMechatronics and Human Science (MHS), 2014 International Symposium on, pp. 1-2. IEEE, 2014.

Abdullah, Sukarnur Che, Masahiro Ohka, Jamaluddin Mahmud, M. Azzeim M. Jusoh, and Juri Saedon. "Multi geometrical image processing based on active vision agent." In Micro-NanoMechatronics and Human Science (MHS), 2014 International Symposium on, pp. 1-5. IEEE, 2014.

Nasir, Nursalbiah, Helmi Rashid, Abdul Halim Abdullah, and Mohammad Azzeim Mat Jusoh. "Rotary car park (pallet design) computer aided design analysis study." In Business, Engineering and Industrial Applications (ISBEIA), 2011 IEEE Symposium on, pp. 512-515. IEEE, 2011.

Mohammad Azzeim Bin Mat Jusoh, Sukarnur Bin Che Abdullah, Mohd Suhairil Bin Meon, Mohamed Tarmizi Ahmad, Abd Rahim Abu Talib. "The Design Process of a Motorcycle Cover using CAD and CAE tools". Proceeding for World Engineering Congress (WEC 2010), 2 ~ 5 August 2010, Kuching, Sarawak, ISBN 978-967-5995-01-9

Mohammad Azzeim Bin Mat Jusoh, Sukarnur Bin Che Abdullah, Helmi Bin Rashid, Nursalbiah Binti Nasir, Alias Bin Mohd Saman. "Prototype Development of an Automotive Part based on Reverse Engineering 3D CAD data". Proceeding for World Engineering Congress (WEC 2010), 2 ~ 5 August 2010, Kuching, Sarawak, ISBN 978-967-5995-01-9

Helmi Bin Rashid, Mohd Hafiz Bin Mohd Noh, Ahmad Hussein Bin Abdul Hamid, Mohammad Azzeim Bin Mat Jusoh, Nursalbiah Binti Nasir. "Computer Simulation Prediction in Plastic Injection Molding of Adidas DX-1 TRAXION SG Sole Design of Football Boots". Proceeding for International Conference on Advances in Mechanical Engineering (ICAME2010), 2 ~ 5 December 2010, SACC Convention Center, Shah Alam, Selangor, ISBN 978-967-363-186-5