

CURRICULUM VITAE

1. Personal Details

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| Name | Ir Dr Wan Emri bin Wan Abdul Rahaman |
| Address | Faculty of Mechanical Engineering, Universiti Teknologi MARA, Shah Alam, Selangor |
| Contact No | 03 5543 5169 |
| Email | wanemri@uitm.edu.my |
| Research Area | Manufacturing Processes and Reliability Engineering |

2. Academic Qualification

| Year | Qualification | University |
|------|---|---|
| 2003 | Bachelor of Engineering (Hons) Manufacturing System Engineering | University of Herfordshire United Kingdom |
| 2006 | Master of Engineering, Advanced Manufacturing Technology | Universiti Teknologi Malaysia |
| 2014 | PhD Industrial System Engineering | Daegu University, South Korea |

3. Expertise:

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| Advanced Manufacturing Processes |
| Quality and Reliability Engineering |

4. Professional Membership:

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| Professional Engineer, Board of Engineers Malaysia (BEM) |
| Institution of Mechanical Engineering, United Kingdom |

5. Working Experience

| No | Year | Employer | Position |
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| 1 | 2003-2005 | Alps Electric Malaysia Sdn Bhd | Engineer |
| 2 | 2007-Now | Universiti Teknologi MARA | Lecturer |

6. Teaching Experience

| No | Course Name | Level |
|----|---------------------------------------|---------------|
| 1 | Industrial Management | Undergraduate |
| 2 | Manufacturing Processes | Undergraduate |
| 3 | Mechanical Engineering Design 1 | Undergraduate |
| 4 | Mechanical Engineering Design 2 | Undergraduate |
| 5 | Ergonomics | Undergraduate |
| 6 | Occupational Health and Safety (OSHA) | Undergraduate |
| 7 | Total Quality Management | Undergraduate |

7. Research Projects

| No | Title | Year | Funder | Total |
|----|--|-----------|-----------------------------------|------------|
| 1 | Process optimization of stamping die using response surface method (Completed) | 2009-2011 | MOSTI E Science | RM 150,000 |
| 2 | Reliability Assessment of Different Parameter in Robotic Welding Process by Accelerated Life Testing (Completed) | 2015-2017 | Ministry of Higher Education RAGS | RM 45,000 |

8. Selected Publications

| No | Publications |
|----|---|
| 1 | Rahaman, W. A., Emri, W., Hendriko, H., & Kurniawan, D. (2008), Tool life and surface roughness when turning hardened AISI D2 tool steel using ceramic cutting tool with t- land cutting edge, In: <i>Advances In Manufacturing And Industrial Engineering</i> . Penerbit UTM, Johor, pp. 185-202 |
| 2 | Jung, W., Rahaman, W. E. W. A., Roslan, L., & Azmi, N. A. (2010), REMANUFACTURING PROCESS PLANNING FOR AUTOMOTIVE COMPONENTS, KSAE 2010 Annual Conference and Exhibition, pp 105-108. |
| 3 | F. Mohd Salleh, I. Tharazi, A. R. Omar, R. Jaafar and W. E. Wan Abdul Rahman, "Minimizing the drawing stages of a Bracket Assembly Upper Spring using DYNAFORM," <i>Humanities, Science and Engineering (CHUSER), 2011 IEEE Colloquium on</i> , Penang, 2011, pp. 358-363. |
| 4 | Salleh, F. M., Tharazi, I., Omar, A. R., Jaafar, R., & Wan Abdul Rahman, W. E., Minimizing the drawing stages of a Bracket Assembly Upper Spring using DYNAFORM. In <i>Humanities, Science and Engineering (CHUSER), 2011 IEEE Colloquium</i> , pp. 358-363. |
| 5 | Q. Liu, W. Jung, A. Ismail, W. Emri (2015), Manufacturing Process Improvement of M-Type Sr-La-Co ferrite magnet, In: <i>Recent Developments on Reliability, Maintenance and Safety</i> , WIT, pp 595-600 |
| 6 | MFA Dzulkarnain, WEWA Rahaman (2017), Productivity Improvement in Automotive Component Company using Line Balancing, In <i>Pertanika J. Sci & Technol.</i> 25 (S), pp 147-158 |
| 7 | Azrriq Zainul Abidin, Wan Emri Wan Abdul Rahaman, Yupiter HP Manurung, Muhammad Raimiey Bin Abu Bakar, Mohammad Ridzwan Bin Abdul Rahim (2017), Fatigue Life Assessment of 9mm Thickness Low Carbon Steel with Multi-Objective Optimized Welding Process, In <i>Journal of Mechanical Engineering</i> , Vol SI 4 (1), pp 143-153. |
| 8 | Yusuf, Mohd Nazri, Wan Emri Wan Abdul Rahman, and Yupiter HP Manurung. "Effect of Process Parameter on Tensile Strength of Spot Welded S235 Sheet Using Simulation and Experimental." In <i>Applied Mechanics and Materials</i> , vol. 899, pp. 169-179. Trans Tech Publications Ltd, 2020. |

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| 9 | Mohamad Hafizdudin bin Tajul Arifin, and Wan Emri Wan Abdul Rahman. "Process Improvement at Automotive Assembly Line Using Line Balancing and Lean Manufacturing Approach." In <i>Applied Mechanics and Materials</i> , vol. 899, pp. 268-274. Trans Tech Publications Ltd, 2020. |
| 10 | Mohd, Nazri Yusuf, Emri Wan Abdul Rahaman Wan, Yupiter HP Manurung, Micheal Stoschka, Muhammad Azim Suhaimi, and Ahmad Afiq Azim Rusli. "Tensile stress-strain analysis of resistance spot weld using non-linear FEM with experimental verification." <i>Zavarivanje i zavarene konstrukcije</i> 66, no. 1 (2021): 5-21. |
| 11 | Yusuf, Mohd Nazri, Wan Emri Wan Abdul Rahaman, Yupiter HP Manurung, Muhammad Aiman Rafie, Muhammad Syahmi Reduan, and Muhammad Zaiful Hakim Fadhil. "Numerical Analysis and Modeling of Resistance Spot Welded DP600 Steel Sheets." In <i>Recent Trends in Manufacturing and Materials Towards Industry 4.0</i> , pp. 699-709. Springer, Singapore, 2021. |