



12-13
May 2026



Klana Resort,
Seremban, Negeri Sembilan

Second Announcement

The 9th

NAFEC 2026

MPOB NAFEC



NATIONAL AGRICULTURAL AND FOOD ENGINEERING CONVENTION

“REVOLUTIONISING FIELD OPERATIONS: AUTOMATION, DIGITALISATION, AI & FUTURE-READY TECHNOLOGIES”

CALL FOR PAPERS

- MECHANISATION & AUTOMATION
- IR 4.0 IN AGRICULTURAL & FOOD
- POSTHARVEST & FOOD ENGINEERING
- WATER, LAND & NATURAL RESOURCES
- WASTE MANAGEMENT
- ENVIRONMENT
- AGRICULTURAL & FOOD EXTENSION

WHO SHOULD ATTEND

- INDUSTRIES
- POLICY MAKERS
- MANAGERS
- ENGINEERS
- SCIENTISTS
- ACADEMICIANS
- ENTREPRENEURS

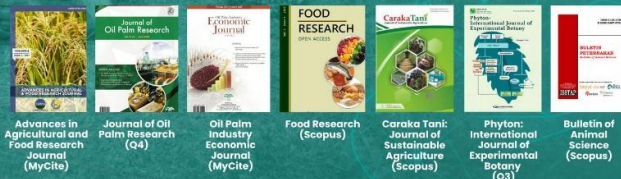


KEY DATES

- ABSTRACT SUBMISSION AND PARTICIPANT REGISTRATION DEADLINE: 31 MAR 2026
- ABSTRACT ACCEPTANCE NOTIFICATION: 5 APRIL 2026
- FULL PAYMENT DEADLINE: 12 APRIL 2026
- FULL PAPER SUBMISSION DEADLINE: 19 APRIL 2026

PUBLICATIONS

Authors may choose to submit their manuscript to one of the listed publications or opt not to publish*



*An additional Article Processing Charge (APC) is required for MyCite and SCOPUS-indexed journal publication (if any). APC will be paid directly to the journal by corresponding author. Extra 20% APC discount for Phyton Journal.

CO-ORGANISER:



SUPPORTING PARTNER:



SPONSORSHIPS, COLLABORATIONS & CO-ORGANISING OPPORTUNITIES AVAILABLE



FEE

	CATEGORIES	
	MEMBER	NON-MEMBER
PARTICIPANTS	RM700	RM750
PRESENTER <i>(with publication AAFRJ)</i>	RM800	RM850
PRESENTER <i>(without publication)</i>	RM700	RM750
E-VIRTUAL POSTER* <i>(with publication AAFRJ)</i>	RM700	

NOTE: *ONLINE PARTICIPATION ONLY



For more information & registration

Tentative Programme NAFEC 2026
KLANA RESORT SEREMBAN, NEGERI SEMBILAN
12 – 13 May 2026

DAY 1 (12 May 2026)	PROGRAMME
8.00 am	Registration
8.30 am – 9.00 am	Arrival of YB Minister
9.00 am – 10.30 am	Welcoming Remarks - President MSAE Keynotes Address and Official Opening - YB Minister Award Presentation (MSAE) Award Presentation Thesis MSAE
10.30 am – 11.00 am	Tour of Exhibition/Poster Viewing / Refreshment
11.00 am – 12.45 pm	Tech Talk 1: Technology Demonstration (Outdoor)
12.45 pm – 2.00 pm	Lunch
2.00 pm – 5.00 pm	Poster Presentation – Evaluation (Jury) Tour of Exhibition
2.00 pm	Tech Talk 2: Digitalisation in Plantation
2.00 pm – 2.15 pm	Chairman: En. Nasrin Abu Bakar - MPOB
2.15 pm – 2.35 pm	Speaker 1: Minds & Robotic – Digital Plantation (20 min)
2.35 pm – 2.55 pm	Speaker 2: Pulsy IO – Teleoperation (20 min)
2.55 pm – 3.15 pm	Speaker 3: MyVentures – IoT in Plantation / TanaLink (20 min)
3.15 pm – 3.35 pm	Speaker 4: TBC (20 min)
3.35 pm – 4.00 pm	Q&A Session
4.00 pm	Refreshment / Exhibition Visit
5.00 pm	End of day 1

DAY 2 (13 May 2026)	PROGRAMME
8.00 am	Tour of Exhibition & Poster Viewing Welcoming drinks
9.00 am	Tech Talk 3: Technology Adoption
9.00 am – 9.15 am	Chairman: Dr. Mohd Azwan Mohd Bakri - MPOB
9.15 am - 9.35 am	Speaker 1: TenAsia (20 min)
9.35 am – 9.55 am	Speaker 2: Zulldesign - Automation (20 min)
9.55 am – 10.15 am	Speaker 3: SD Guthrie – R&D (20 min)
10.15 am – 10.35 am	Speaker 4: Verion – Precision Farming (20 min)
10.35 am – 11.00 am	Q&A Session
11.00 am – 11.15 am	Tour of Exhibition/Poster Viewing/Refreshment
11.15 am	Tech Talk 4: Estate Experience
11.15 am – 11.30 am	Chairman: Dr. Hazwan - MSAE
11.30 am – 11.50 am	Speaker 1: Sawit Kinabalu – Mr Stephane (20 min)
11.50 am – 12.10 pm	Speaker 2: SD Guthrie - AgriBio / AgriTech (20 min)
12.10 pm – 12.30 pm	Speaker 3: FGV – Mr Haris (20 min)
12.30 pm – 12.50 pm	Speaker 4: IOI – Mr Ravi (20 min)
12.50 pm - 1.15 pm	Q&A Session
1.15 pm – 2.30 pm	Lunch
2.30 pm – 5.00 pm	Award Presentation (NAFEC) & Lucky Draw Welcoming Speech NAFEC 2027 Closing Remarks NAFEC 2026 - DG MPOB
5.00 pm	End of Seminar

PROFIL PEMBENTANG



MOHD SHAHRIMAN ADENAN, *PTech (MBOT), CEng MIMechE (UK)*

Deputy Director

Associate Professor

Smart Manufacturing Research Institute
Universiti Teknologi MARA, 40450, Shah
Alam, Selangor, MALAYSIA

Faculty of Mechanical Engineering
Universiti Teknologi MARA, 40450, Shah
Alam, Selangor, MALAYSIA

Email: mshahriman@uitm.edu.my

Tel: +6012-211 5095

ACADEMIC

PhD (Mechanical Engineering) – Universiti Teknologi MARA (2015)

M.Eng (Manufacturing Engineering) – Universiti Malaya (2007)

B.Eng (CAD/CAM) Hons. – Universiti Malaya (2003)

PROFESSIONAL CREDENTIALS

Chartered Engineer (UK) | Member IMechE (UK) | Professional Technologist (MBOT)

Certified in Additive Manufacturing (Massachusetts Institute of Technology)

ACADEMIC & LEADERSHIP ROLES

- Deputy Director, Smart Manufacturing Research Institute, UiTM (2024 – Present)
- Head, Virtual & Additive Manufacturing Unit, SMRI (2019 – 2023)
- Managing Editor, Journal of Applied Engineering Design and Simulation (2021 – Present)
- Technical Advisor to Voltaire Technology Sdn. Bhd., ORS Technologies Sdn. Bhd., 3DGens Sdn. Bhd.

RESEARCH FOCUS AREAS

- Wire Arc Additive Manufacturing (WAAM) & Laser Powder Bed Fusion (LPBF)
- Thermochemical & Hybrid Surface Treatments of 316L Stainless Steel
- Simulation and Digital Twin for Smart Manufacturing
- Generative Design for Aerospace & Biomedical Components

SELECTED RESEARCH PROJECTS (PI)

Year	Title	Grant / level	Amount (MYR)
2023-24	Influence of Triply Periodic Minimal Surface (TPMS) Lattice Design on Carbon Capture Performance of Direct Air Capture (DAC) System	GIP/ University	24,000
2021-23	Hybrid Manufacturing: Integration of Direct Energy Deposition (DED) Wire-Arc Additive Manufacturing (WAAM) With Forging Operations for Production of Netshaped Lightweight Metal Alloy Components	KKP/ National	500,000

2020-23	Correlation of Distortion and Deformability in Hollow 316L Wire Arc Additive Manufacturing (WAAM) Model Based Numerical Approach	SRG/ University	20,000
2019-22	Generative Design of Biomedical Implant For 3D Metal Printing Process	Erasmus/ International	77,000
2016-19	Surface Integrity And Biocompatibility Of 316L Austenitic Stainless Steel Subjected to Hybrid Thermochemical Surface Treatment	FRGS/ National	117,500

SELECTED PUBLICATIONS (2025)

- [1] K. P. Prajadhiana, Y. H. P. Manurung, M. Fateri, H. L. Choo, W. E. W. A. Rahaman, M. S. Adenan, et al., "Distortion analysis of WAAM component using thermo-mechanical, inherent strain and experimental methods," *Progress in Additive Manufacturing*, pp. 1-17, 2025. (Q1, SJR 0.994)
- [2] A. R. A. Rahman, Y. H. P. Manurung, K. Kasim, M. S. Adenan, M. F. Mat, Y. O. Busari, et al., "Mould design improvement and flaw analysis for investment casting process using numerical computation with experimental validation," *Nigerian Journal of Technological Development*, vol. 22, no. 1, pp. 251-260, 2025. (Q4, SJR 0.176)
- [3] N. Musa, M. S. Adenan, J. Saedon, Y. H. P. Manurung, and M. F. Mat, "Wire-Arc Additive Manufacturing-Forging process chain simulation analysis of aluminium alloy," *Nigerian Journal of Technological Development*, vol. 22, no. 1, pp. 148-158, 2025. (Q4, SJR 0.176)
- [4] S. U. Zainal, Y. H. P. Manurung, M. S. Adenan, M. F. Mohamad, et al., "Fluid flow distribution and pressure drop in split P lattice TPMS structures with varying wall thickness," *Journal of Mechanical Engineering (JMechE)*, vol. 22, no. 2, pp. 191-208, 2025. (Q4, SJR 0.197)
- [5] A. R. Abd Rahman, N. A. Muhammad, M. F. Mat, Y. H. P. Manurung, and M. S. Adenan, "Distortion behaviour analysis of additively manufactured Inconel 718 using numerical computation," *Journal of Mechanical Engineering (JMechE)*, vol. 22, no. 1, pp. 79-89, 2025. (Q4, SJR 0.197)

SUPERVISION (SELECTED)

4 PhD (Main SV) | 6 Master (Main SV) | 7 PhD/Master (Co-SV)

Focus: Hybrid generative design, WAAM integration, surface treatments, numerical simulation.



K.Nantha

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IR4.0 Strategic & Operations Leader. Planning & Execution of Operational Strategies.

Span of Expertise

- Execution & Strategic Business Planning
- Integrated Front, Middle & Back Office Operations.
- Large Client Relationship Management.
- Project & Program Management
- Budgeting & Vendor Management
- IoT, BigData & ERP Consultation.
- Entrepreneurship and Mentorship

- **Visionary Leader** - Frequently involved in positions of improving Business Units, through reorganizing and restructuring.
- **Execution Specialist** - Strength in coming up with and executing plans to bring in clear measurable results.
- **People mover** – Have a natural ability of working with people of different levels, and getting the job done.

Education

- BSc (Computer-System Engineering) Honors , Universiti Teknologi Malaysia, Johor. (2000)
- Diploma In Business Continuity Planning (Executive Dip.B.C.P- UK) (2011)
- Diploma In Computer Science, Universiti Teknologi Malaysia, Johor (1998)
- Certified Google Adwords (2016)
- Certified Cybersec First Responder (CFR - License 2016001086) (2016)
- Certified HRDF Trainer (License 5298) – (2017)
- Certified Industry 4.0 Trainer – PSDC (2017)



Leadership Career History

PULSY Technology Sdn. Bhd.

CEO & Founder (Feb 2018 - present)

PULSY, "Smart Workspace Solution" provider. PULSY will enhance efficiency & governance for the connected workforce around the globe. We provide organizations with real-time insights that can be customized with the organizations domain expertise. Digitize the employees/vendors time and workforce, optimize demand-driven scheduling, simplify absence management and enable strategic business decision-making & provide solutions that allows.

Clients:

- CBRE
- Novartis
- Setia Haruman
- NPNG Sport Centre

JKNK Consulting (IoT & Bigdata Company)

Managing Director (Apr 2015 – Sep 2018)

- Responsible for developing, communicating, executing, and sustaining strategic for JKNK clients
- Enhance & redefine workable frameworks.

KNantha@pulsy.io

- Mentorship & coaching new startups.
- Strategic partnership engagements

Overlooked Key Events/Projects:

- Chelsea Soccer School, Malaysia .
- PUGM : Bahtera.my, 1AES.my GoGreat.my
- CadDesign Centre
- IoT Project Consultation

Malaysia Graduates Entrepreneur Association (pugm.org)

Vice President of Strategic Operations (Jun 2014 - Dec 2017)

- Social enterprise strategies, communicating, executing public events.
- Strategy partnership engagements with PUGM
- ASEAN collaboration & communications.

Overlooked Key Events:

- PUGM & MOF : Youth Fashion Fiesta (National Project)
- PUGM & myNEF : Bumiputra Entrepreneurs of Tomorrow (Bahtera- National Project)
- PUGM & 1 ASEAN Entrepreneurs Summit 2015 (ASEAN Summit)

Mindvalley Labs Sdn. Bhd

Head of Operations (Aug 2012 – Mar 2015)

- Company restructuring - Introduced new company structure to create performance operationally
- Overlooked and Expanded Finance, HR, IT Support, Partnership, Office admin, Project management teams.
- Introduced new software to each team to increase efficiency - JIRA , Payroll, Q&E
- Communicated HR matters with Tax and EPF departments
- Key person In charge communicating with MDEC for Pioneer Status

Overlooked Key Events:

- Increased number of Product Campaigns from 1 to 4 campaigns per month, within 6 months.
- The Makers Week 2014
- MDEC Keynote event
- Petronas –GM Award

ICRM Digital Sdn. Bhd. (ICRM) – Malaysia

Sn.Project Manager (Jan 2010 – Mar 2012)

- Grow from RM720K per annum to RM1.2mil within 3 months. Additional projects Income : RM500K
- Setup new digital team with 6 months.
- Explored new tech territories - Digital Screen, FB Apps, Google Adwords & Java Implementations.
- Direct communicate & manage clients TM, Celcom, Unza & Unify.
- Drove key milestone meetings with stakeholders in order to achieve product maturity and fiscal requirements

Overlooked Key Projects:

- TheCube.My – Celcom new portal
- TM-Urbanscape
- UNIFI- Team Malaysia
- Tunemoney – new web portal

HCL Axon Global Solution Sdn. Bhd.

Senior Consultant (May 2007– Dec 2009)

- Technical management of clients and clients' projects.
- Technical advisor to project heads, marketing and developers with, Implement and deliver all technical deliverables for clients

- Define, Create & manage Operations Processes, best practices & communication structures.
- Consultant for company's biggest ERP Implementation In UK, Birmingham City Council Transformation Project (Service Birmingham) 2007-2009.
- Service Delivery Manager for Singapore Stock Exchange project (SGX).

Key Projects:

- Singapore Stock Exchange (SGX) Project
- Service Birmingham Project.

NTT DATA Business Solution.

Senior Consultant (Nov 2005– Apr 2007)

- Managed SAP Project Team from consulting & provide solutions in line with strategic defined & business goals.
- Managing end-to-end channels from Pre-sales and Support functions.
- Influencing key stakeholders to gain buy-in and requirements for the success of the project.
- Achieved KPI goals in line with Business performance targets, defining, tracking & improving PMO activities.
- Developed teams from resource planning to technology training, mentoring and successful delivery of products.
- Successfully managed onsite implementations to integrate complex commercial business systems.

Key Projects:

- Instacom Group Berhad
- Auto Eurokars (Porsche Malaysia)
- Boustead Holdings Berhad

Smart Modular Sdn. Bhd.

Program & Project Administrator (Dec 2003– Oct 2005)

- The total portfolio valued USD 3mil. Sales revenue increased from USD500K/month to USD1Mil/month within 8 months.
- Total production assets managed USD 1.5mil a month.
- Key person to support & manage end-to-end delivery of OEM end products.
- Review & build new business models to support growth.
 - Production executive

Key Projects:

- 2 new products introduced to clients in India
- Conducted full Hynix India plant audit
- ERP knowledge transfer to India team

Others

Languages : English, Malay and Tamil
 Interests : Mobile & Street Photography.
 Personal details : Age : 46 / Marital Status : Married

-end-

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