

Co-Organised by:





























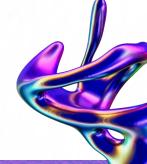












Artificial Intelligence for Sustainable Future

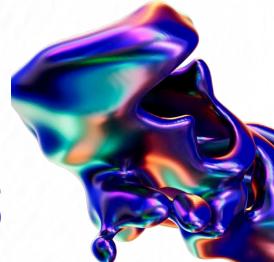
Research Symposium by MMU Press

PROGRAMME





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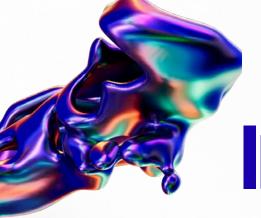
MMU PRESS Research Symposium Programme Handbook

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Introduction

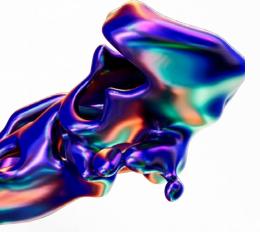
01



The NexSymp is the first symposium organised by MMU Press, supported by 8 journals across MMU Cyberjaya & Melaka. The theme for NexSymp 2025 is "Artificial Intelligence (AI) for Sustainable Future". This prestigious event will be held in MMU Cyberjaya from Sept 11th – 12th 2025. NexSymp 2025 will be conducted in hybrid mode, providing participants the flexibility to join the symposium either on-site or virtually.

The symposium aims to gather a diverse group of participants, including researchers, educators, students, technologists and policymakers from academia, government, industry and non-governmental organizations. The symposium will serve as a platform to exchange ideas, showcase achievements and promote advances in information technology, engineering, applied physics, robotics, automation, business, accounting, language, law, as well as interdisciplinary.

The programme will feature keynote speeches and invited talks by distinguished speakers, offering insights into emerging trends and cutting-edge innovations. The symposium will also include technical sessions, exhibits students' activities and highlighting creative multimedia research and applications. The scope of the symposium includes, but not limited to the following domains. Participants are invited to submit papers through the journals' submission page.



Domains

02



Explore the symposium's diverse domains spanning Arts & Humanities, Science & Technology, Social Sciences, SITWE (Information Technology), Creative Multimedia and Interdisciplinary research where scholars contribute through MMU Press journals indexed in major databases.

Paper Submission

Authors are invited to submit full papers to MMU Press journals (indexed in major databases). Submissions should align with the following domains and journals:

Information Technology (SITWE)

- Journal of Informatics and Web Engineering (JIWE)
- Highlights in Web Engineering (HIWE)

Science & Technology (S&T)

- Journal of Engineering Technology and Applied Physics (JETAP)
- International Journal on Robotics, Automation and Sciences (IJORAS)

Social Sciences (SS)

- International Journal of Management, Finance and Accounting (IJOMFA)
- Issues and Perspectives in Business and Social Sciences (IPBSS)

Arts & Humanities (A&H)

- Journal of Communication, Language and Culture (JCLC)
- Asian Journal of Law and Policy (AJLP)

Interdisciplinary (IT, S&T, SS, A&H)

• JIWE, JETAP, IJORAS, IJOMFA, IPBSS, JCLC, AJLP

The symposium will feature both invited and contributed papers. Outstanding papers will be selected for awards.



Keynote Speakers

03



Information Technology (SITWE)

- 1. Prof. Ts. Dr. Hairulnizam Bin Mahdin Universiti Tun Hussein Onn, Malaysia
- 2. Dr. Dharmesh Shah Indrashil University, India
- 3. Prof. Dr. Chien-Sing Lee Sunway University, Malaysia
- 4. Prof. Dr. S. Narayanan SRM Valliammai Engineering College, India
- 5. Dr. D. Devaraj Kalasalingam Academy of Research and Education, India

Science & Technology (S&T)

- Assoc. Prof. Dr. Gan Kok Beng Universiti Kebangsaan Malaysia
- 2. Prof. Dr-Ing. Wahyudi Hasbi National Research & Innovation Agency (BRIN), Jakarta, Indonesia

Social Sciences (SS)

- 1.Dr. Zheng Feei Ma University of the West of England, Bristol, England
- 2. Prof. Dr. Reynaldo Gacho Segumpan City Graduate School, City University Malaysia
- 3. Dr. Nor Fairuz Syazana binti Nor Fauzi City Graduate School, City University Malaysia

Arts & Humanities (A&H)

- Assoc. Prof. Dr. Nik Norma binti Nik Hasan Universiti Sains Malaysia
- 2. Assoc. Prof. Dr. Wan-Ju Yeh National Cheng Kung University, Taiwan
- 3. Prof. Dr. Henrik Anderson Copenhagen Business School, Denmark
- 4. Dr. Furrakh Abbas Allama Iqbal Open University, Pakistan









His research interests include IoT, machine learning, edge computing, wireless networks, and smart systems. He has published numerous papers in SCI, Scopus, and UGC-indexed journals and authored two textbooks, including a recent publication on Quantum Computing. Dr. Narayanan has filed multiple patents in emerging technologies and actively contributes to research through funded project proposals submitted to agencies like SERB and TNSCST. A life member of both the Computer Society of India and ISTE, he is dedicated to advancing technology education and contributing to socially relevant innovations.



Dr. D. Devarai completed his B.E and M.E in Electrical & Electronics Engineering and Power System Engineering in the year 1992 and 1994, respectively, from Thiagarajar College of Engineering, Madurai. He obtained his Ph.D degree from IIT Madras, Chennai in the year 2001. Since 2001, he is working as a faculty in the Electrical & Electronics Engineering department of Kalasalingam Academy of Research and Academy. He has organized 4 International Conferences, 9 National Conferences, 6 seminars and conducted 25 workshops.

He has authored 2 textbooks, Power system analysis and Power system control. He has also co-authored 3 textbooks. research interest includes Artificial Intelligence, Evolutionary algorithms, IoT and Data Mining, Renewable Energy and Smart Grid. He has published more than 190 papers in Journals and presented 250 papers in conferences. He has Supervised 30 PhD, 2 M.S and 25 M.E theses. Presently, he is guiding 7 Ph.D scholars. He has undertaken 5 research projects sponsored by DST, Government of India. Dr.D.Devaraj has been recognized in the field of Artificial Intelligence and among analysis as one the Image scientists/researchers across the world by Stanford University researchers in 2020, 2021, 2022, 2023 and 2024.



international dual degree programs.

He is also a professional consultant for MIMOS Berhad in artificial intelligence for industry application and domain expert in Certified HRDC Trainer. He received his Bachelor of Science in Material Physics with Honours from Universiti Teknologi Malaysia in 2001. He conferred a PhD in Electrical, Electronic & System Engineering from Universiti Kebangsaan Malaysia in 2009.

He was an engineer in the field of electronic manufacturing services and original design manufacturing before venturing into academic research in 2005. He specializes in embedded systems and artificial intelligent in healthcare. His current research interests are artificial intelligence in healthcare, embedded systems & signal processing for application and biomechanics & human motion analysis.





Dr. Zheng Feei Ma is a Senior Lecturer in the College of Health, Science and Society at the University of the West of England (UWE), Bristol, UK, specialising in public health nutrition, epidemiology and entrepreneurship within public health. His research and entrepreneurial initiatives focus on developing new health services, promoting healthier behaviours, and innovating within digital health sustainable and social enterprises. Dr. Ma investigates and leverages the impact of artificial intelligence (AI) for sustainable solutions in these areas to enhance effectiveness and scalability. Dedicated to fostering entrepreneurship and innovation in public health, he aims to build practical, scalable, and innovative public health enterprises that significantly impact community health and sustainability.

He has been listed in the World's Top 2% Scientists List for four consecutive years (2021-2024) by Stanford University. Born and raised in Kelantan, Malaysia, he gained his BSc (Hons) from Universiti Malaysia Sabah, a MSc (MedSci) from the University of Glasgow, a Postgraduate Certificate (PGCert) in Teaching and Supporting Learning in Higher Education from the University of Liverpool, and a PhD from the University of Otago. He began his academic career at the University of Otago in New Zealand and went on to positions at Universiti Sains Malaysia in Malaysia and Xi'an Jiaotong-Liverpool University in China, before taking up his current position at UWE, UK. He brings more than 8 years of research and teaching experience (spanning across the UK, China, Malaysia and New Zealand) to the role.



development, such as at Harvard University, University of Cambridge, University of Hawaii, University of Manchester, Université de Neuchâtel (Switzerland), and Hanyang University (South Korea), among others. Currently, he is a professor at the City Graduate School, City University Malaysia, teaching qualitative research, strategic human resource management,

and organizational leadership.



workforce. Currently, Dr. Nor Fairuz Syazana is the Deputy

Dean at City Graduate School, City University Malaysia.



In 2020, Nik consulted for the Asia-Pacific Institute for Broadcasting Development (AIBD) on developing a risk communication module for media staff reporting on health risks until 2021, as well as for the Malaysian Press Institute on the 2020 Series of Workshops on Effective Reporting on Climate Change Adaptation. Nik has published numerous journal articles and secured grants focusing on environmental risk communication. Since 2013, she has served as a visiting scholar at various universities in Japan, Sweden, Germany, Indonesia, China, and Brunei. In 2025, she was appointed as an Adjunct Professor at the State University of Malang, Indonesia, and as an external examiner at Universiti Brunei Darussalam. Nik is also an avid diver.





Law at Copenhagen Business School, He holds a PhD in law (2008) with a thesis on EU anti-dumping measures and WTO law. His research focuses on international economic law, climate change law, the multilevel rule of law, and EU-China trade relations. Currently, his work addresses geopolitical challenges, emphasizing the importance of a robust rule of law within the EU and strategic competition with the U.S. and

approaches, drawing on transaction cost theory, trade and management theory, and international relations. He has published in leading international journals and reviewed for academic and public funding institutions. He has lectured globally on trade law, international economic governance, and the rule of law, and has held visiting positions at the European University Institute, City University of Hong Kong, Westminster University, and UCLAN, Cyprus. Dr. Andersen is a member of the European Law Institute (ELI), where he contributed to the ELI-Mount Scopus project on judicial independence and serves as a reporter for the "Climate Justice" initiative. He is also an observer with the Association of European Administrative Judges (AEAJ), contributing on climate law issues.

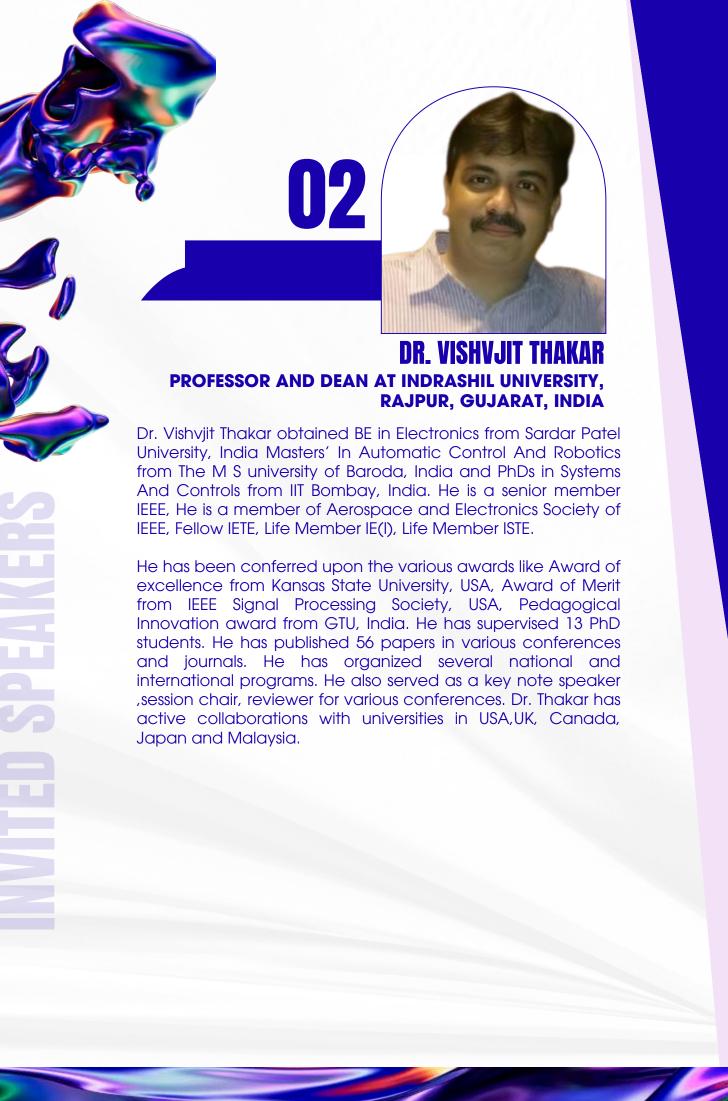


Centre for Languages and Translation Studies (CeLTS), Allama Igbal Open University, Islamabad (Pakistan). CeLTS is actively engaged in developing large language models in the indigenous languages of Pakistan by integrating the latest Al approaches in language studies. We, at CeLTS, endeavour towards revitalizing and empowering national and regional languages of Pakistan by developing resources and expediting localization. Dr. Abbas holds two doctoral degrees; first PhD in Linguistics is from University of Management and Technology, Pakistan while his second PhD in Applied Linguistics is from University Utara Malaysia.

Dr. Abbas has remained associated as an academician with prestigious universities and institutes in countries like Pakistan, Malaysia, and Thailand. The diverse cultural groups with whom Dr. Abbas has worked with, has helped him command the differences of group dynamics. His research interests include Integrating AI approaches in Language Maintenance and Language Planning and Policy, documentation and other aspects of Applied Linguistics. Currently he is working, alongwith his peers, in developing Al based Linguistic systems in Urdu, Saraiki and Punjabi languages.









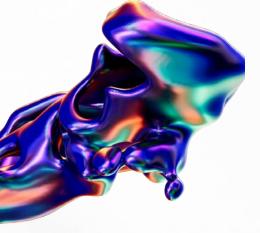
Currently serving as Professor and Head of the Department of Computer Science and Engineering at SRM Valliammai Engineering College, Chennai, Dr. B. Vanathi has established a stellar career in academic leadership, research and teaching.

Her research area includes Context Aware Computing, Data Mining and Machine Learning. She is an active member in ISTE, CSI, IAENG, IDES, IARC, ACEEE and Indian Science Congress. She has received many research grants under DST, SERB and AICTE. She is the author of several books titled "Artificial Intelligence and Machine Learning", "Python Programming". She has guided 4 Ph.D. research scholars under Anna University and she is currently guiding Seven Ph.D. research scholars. She has published more than 50 International Journals and Conferences.



Department of Electrical and Electronics Engineering in SRM Institute of Science and Technology. She completed her B.E. (EEE) from Madras University in the year 2002, M.S(By Research) from Anna University in the year 2007 and PhD from SRM University in the year 2015. She has published 55 international publications among which 66 are SCI indexed journals, 4 lecture notes, 58 conference publications and 1 book. She has received DST funded project in the topic "Optimal energy management system in shipboard power system with solar PV for the period 2018-2021 and MODROB funded project from AICTE, PI of MOES funded project and Co-PI for MOES funded project, Co-PI of 4 SATU projects and 3 internally funded projects.

She has completed PhD for 5 research scholars and currently 7 scholars are pursuing their PhD under her guidance. The research interests include model-based development, digital twin, grid integration issues of PV, Wind, Energy management system in microgrid, building management systems and zero down time approach in industries. She is the Chairman, MTS India Section and faculty mentor of Marine Technology Society, US which received the best student chapter award for the year 2019. She received the IEEE publication award, John P Craven mentor award and Honorary Rosalind member of London Journals Press.



Agenda

04



SYMPOSIUM PROGRAMME **HYBRID SYMPOSIUM:** 11 - 12 SEPTEMBER 2025

₩ Date: 11 September 2025 (Thursday)

(L) Time: 9:00 AM - 5:00 PM

Location: Telekom Malaysia Digital Academy (TMDA), Multimedia University, Cyberjaya,

Malaysia.



In-person Venue: Digital Theatre

Online Participation:
https://shorturl.at/sBmR5

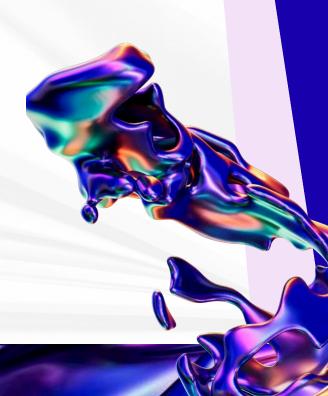
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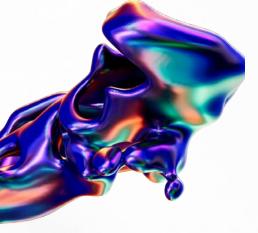
TIME	AGENDA
9.00 a.m.	Arrival of participants and attendees
9.15 a.m.	Arrival of En. Wan Razli bin Wan Abdullah Head of Business Development, TM R&D
	Arrival of YBhg. Prof. Dato. Dr. Mazliham Mohd Su'ud President/ CEO, Multimedia University
9.30 a.m.	Introduction by Emcee
9.32 a.m.	Doa Recitation by Ustaz Mohamed Hanif bin Harun
9.35 a.m.	Opening Remarks by En. Wan Razli bin Wan Abdullah Head of Business Development, TM R&D
9.45 a.m.	Officiating Speech by YBhg. Prof. Dato' Dr Mazliham Mohd Su'ud President/ CEO of Multimedia University
10.00 a.m.	NexSymp Official Launch and Opening Montage
10.10 a.m.	Presentation Certificates of Recognition to Co-organiser, Keynote Speakers and Domain Chairs
10.20 a.m.	Photography session
10.30 a.m. 10.45 a.m.	Break & Open Session Students' Societies Booths Visit – TMDA IEEE, Cybertron, IT Society, CAC, Google Developer Groups (GDG) UNLOCK Reverberate Creative Showcase at the e- Gallery by Faculty of Creative Multimedia (FCM)





TIME	AGENDA
11.00 a.m.	 Keynote Addresses (Session 1) Prof. Ts. Dr. Hairulnizam Bin Mahdin, Universiti Tun Hussein Onn, Malaysia (11.00 a.m.) Assoc. Prof. Dr. Gan Kok Beng, Universiti Kebangsaan Malaysia (11.15 a.m.) Dr. Zheng Feei Ma, University of the West of England, Bristol, England (11.30 a.m.)
11.50 a.m.	 Keynote Addresses (Session 2) Prof. Dr. Reynaldo Gacho Segumpan, City Graduate School, City University Malaysia (11.50 a.m.) Dr. Nor Fairuz Syazana binti Nor Fauzi, City Graduate School, City University Malaysia (12.05 p.m.) Assoc. Prof. Dr. Nik Norma binti Nik Hasan, Universiti Sains Malaysia (12.20 p.m.) Assoc. Prof. Dr. Wan-Ju Yeh, National Cheng Kung University, Taiwan (12.35 p.m.)
1.00 p.m.	Lunch
2.15 p.m.	Parallel domain sessions (refer to respective domain program) Information Technology (SITWE) Science & Technology (S&T) Social Science (SS) Arts & Humanities (A&H) Interdisciplinary
5.00 p.m.	End of Day 1





Agenda

04



SYMPOSIUM PROGRAMME **HYBRID SYMPOSIUM:** 11 - 12 SEPTEMBER 2025

DAY 2

₩ Date: 12 September 2025 (Friday)

9:00 AM - 4:00 PM (L) Time:

Location: Telekom Malaysia Digital Academy (TMDA), Multimedia University, Cyberjaya,

Malaysia.



In-person Venue: Digital Theatre

Online Participation:
https://shorturl.at/sBmR5

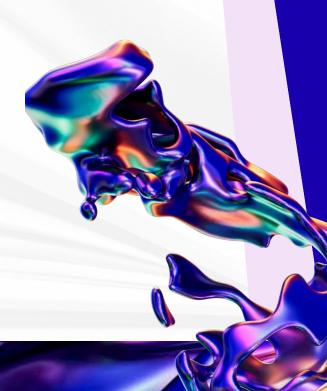
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TIME	AGENDA
9.00 a.m.	Parallel domain sessions (refer to respective domain program) Information Technology (SITWE) Science & Technology (S&T) Social Science (SS) Arts & Humanities (A&H) Interdisciplinary
1.00 p.m.	Lunch
2.30 p.m.	Opening remarks by Emcee for Closing ceremony (online)/ Digital Theatre, TMDA
2.35 p.m.	 Keynote Addresses (Session 3 – online mode) Prof. Dr. Chien-Sing Lee, Sunway University, Malaysia (2.35 p.m.) Dr. Furrakh Abbas, Allama Iqbal Open University, Pakistan (2.50 p.m.) Dr. Ji-Jian Chin, University of Plymouth, United Kingdom (3.05 p.m.)
3.25 p.m.	Closing remarks and awards announcement by Prof. Dr. Tan Siow Hooi , Director of MMU Press and Co-chair of NexSymp 2025
3.50 p.m.	Group Photo and Closing Montage
4.00 p.m.	End of NexSymp 2025



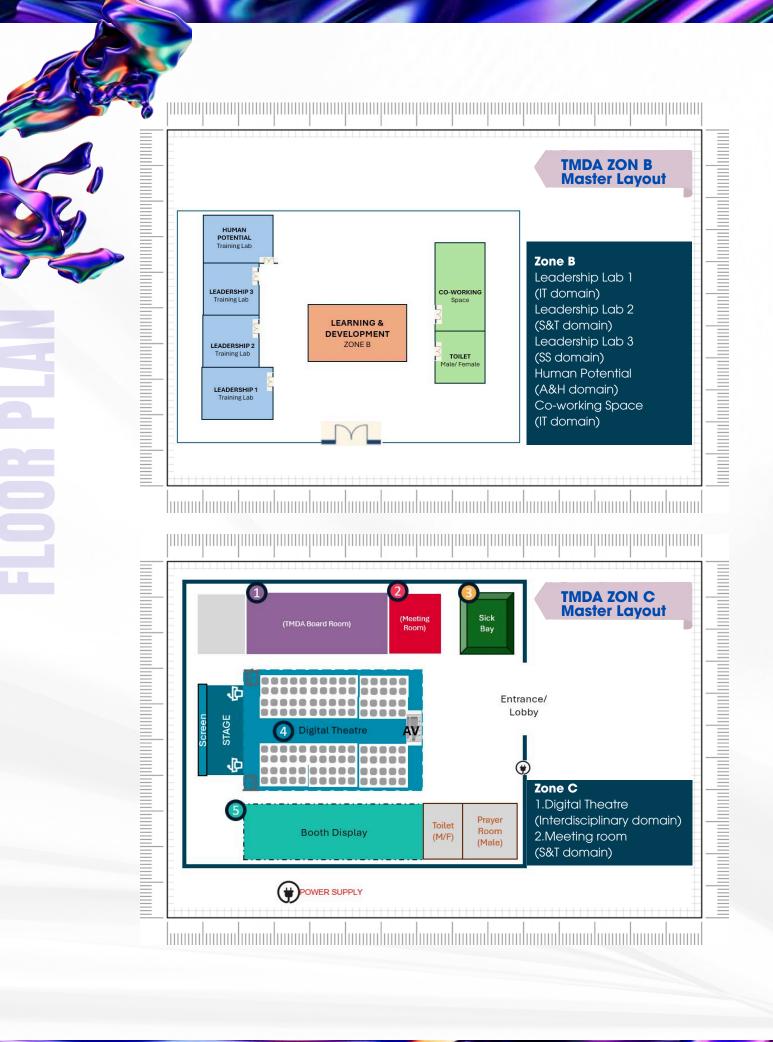


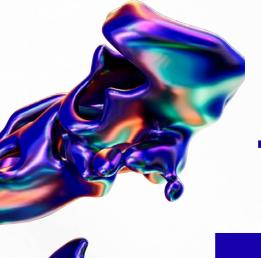
TELEKOM MALAYSIA DIGITAL ACADEMY (TMDA) TM Digital Academy MMI Chancellery











Together We Learn, Together We Grow

CLOSING NOTES



With the conclusion of this symposium, we extend our deepest appreciation to all keynote speakers, session chairs, reviewers, presenters, participants, and organizing committees.

Your dedication and insights have made this event a resounding success. We hope that the ideas and connections formed here will continue to inspire future collaborations and innovations.

We look forward to welcoming you again at our next symposium.

Thank you for being part of NexSymp 2025. See you in NexSymp 2026.





