

ICTMS 2024

27-28 AUGUST 2024

INTERNATIONAL CONFERENCE ON TECHNOLOGY, MANAGEMENT AND SUSTAINABILITY

“Innovation and
Governance for
Sustainability”

**Delft University of
Technology,
Netherlands**

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WELCOMING MESSAGE

Prof. Dr. Marijn Janssen

**Delft University of Technology,
Netherlands**



It is our great pleasure to announce the International Conference on Technology, Management, and Sustainability (ICTMS) 2024. The main objective of ICTMS 2024 is to provide a platform for industry leaders, academics, and policymakers to exchange innovative ideas that promote sustainable practices. The conference Participants can also engage in pioneering research, case studies, and expert networking to discover solutions that balance business growth and ecological responsibility.

ICTMS 2024 explores the intersection of these three crucial fields namely technology, management, and sustainability and how they can work together to shape the future. At this conference, we will hear from industry leaders, academics, experts and policymakers about the latest advancements in technology, the impact of technology on the humanities and the role of management in bridging the gap between these two fields. The aim of this conference is to highlight the use of cutting-edge technology and effective management strategies to enhance environmental stewardship, economic viability, and competitiveness.

We hope that ICTMS 2024 outcome will lead to significant contributions to the knowledge base in the fields of Technology, Management and Sustainability. In addition, the conference also offers opportunities for academicians and industry experts to meet and interact with local and international participants.

FOREWORD

Prof. Dr. Zuraidah Mohd Sanusi

**Accounting Research Institute, Universiti
Teknologi MARA, Malaysia**



It is with great pleasure that I welcome you to the International Conference on Technology, Management, and Sustainability (ICTMS). As we gather experts, scholars, and students from across the globe, this conference serves as a vital platform for the exchange of ideas, innovation, and best practices in the intersecting realms of technology, management, and sustainability.

In today's rapidly evolving world, the convergence of these three fields is more crucial than ever. Technological advancements are reshaping industries, redefining management practices, and challenging us to think creatively about sustainability. At the same time, the pressing need for sustainable solutions calls for integrated approaches that harness the power of technology and sound management principles.

This conference is not only an opportunity to showcase cutting-edge research and innovative solutions but also a chance to engage in meaningful dialogue on how we can collectively contribute to a sustainable future. The diverse range of topics and perspectives presented here will undoubtedly inspire new ways of thinking and foster collaborations that extend beyond the conference.

I would like to extend my heartfelt gratitude to the organizing committee, sponsors, and participants who have made this event possible. Your dedication and hard work are what bring this conference for knowledge sharing and professional growth.

I encourage all participants to take full advantage of the opportunities presented at this conference—to network, to learn, and to contribute to the ongoing discourse on technology, management, and sustainability. Let us use this platform to drive forward-thinking solutions that will have a lasting impact on our world.

Thank you for your participation, and I wish you all a productive and inspiring conference.

ABOUT ICTMS 2024

The International Conference on Technology, Management, and Sustainability (ICTMS) 2024 is an esteemed gathering that brings together experts from various fields to explore the vital convergence of technology, management, and sustainability. Held from 27-28 August 2024, this conference serves as a crucial platform for industry leaders, academics, policymakers, and practitioners to share innovative ideas, research findings, and best practices that contribute to sustainable development. With a focus on the latest advancements in technology and strategic management, ICTMS 2024 aims to address the pressing challenges of environmental stewardship, economic viability, and social equity. Attendees will have the opportunity to engage in thought-provoking discussions, network with experts, and discover solutions that promote sustainable business practices while driving economic growth.

KEYNOTE SPEAKER



Prof Dr Norazah Abd Rahman

**Deputy Vice-Chancellor
(Research & Innovation),
Universiti Teknologi MARA,
Malaysia**

Title:

Pyrolysis revolution: solid waste management to energy sustainability

Professor Ts Dr. Norazah Abd Rahman is the Deputy Vice-Chancellor (Research and Innovation) at Universiti Teknologi MARA (UiTM), Malaysia. Previously, she was the Dean of the Faculty of Chemical Engineering and the Dean of Industry, Community, and Alumni Network (ICAN) at the College of Engineering, UiTM. Her expertise in engineering was internationally recognized when she was appointed as a Fellow by the Chartered Energy Engineer and Chartered Petroleum Engineer at the Energy Institute, United Kingdom. She also served as an Individual Case Procedure Panelist at the same institute. At the national level, she actively contributed her expertise in Non-Destructive Testing as the National Industry Expert for Machinery and Equipment for Non-Destructive Testing. She also participated in community activities and served as an advisor for various projects involving schools, local communities, and external organizations. As a researcher, she has successfully secured over 50 research projects from various sectors, with a total funding exceeding RM7 million. Noteworthy among her high-impact grant acquisitions is a research cooperation grant worth over RM2 million in 2017 between UiTM and Huazhong University of Science and Technology (HUST) from the Ministry of Science and Technology (MOSTI), People's Republic of China and Petronas Research Renewable Energy grant worth RM2 million in 2022. She has also published over 100 indexed articles and serves as the Chief Editor of the Malaysian Journal of Chemical Engineering and Technology. Her achievements have been recognized with numerous high-impact awards, including the Leadership Award from UiTM, Best Professor in Chemical Engineering, and the Obelix Award by the British Invention Show. Additionally, she has received gold and diamond awards for various innovation and invention competitions.

GUEST SPEAKER



**Assoc Prof Dr Hj Alvi Furwanti
Alwie,**

Universitas Riau, Indonesia

Title:

Innovation Ability and Entrepreneurial Competence

Assoc. Prof. Dr. Alvi Furwanti Alwie, SE., MM.,CMM., CIQnR was born in Tembilahan on October 12, 1970. She is a senior lecturer in the Doctoral Program in Management at the Faculty of Economics and Business, University of Riau (FEB Unri). Dr. Alvi Furwanti Alwie completed her Bachelor of Management education at FEB Universitas Riau in 1993, Master of Management Universitas Padjajaran in 2002, and Doctor of Business Management Universitas Brawijaya Malang in 2011. She currently serves as Dean at FEB Unri since December 2022 and her term as dean will end in 2027. Before serving as Dean of FEB UNRI, she served as Secretary of the Management Department of FEB Unri in 2002-2006, Assistant Director of Finance of TPSDP ADB Loan Unri in 2006-2009, Assistant Director of Finance of HPEQ WB Loan Unri in 2009-2010, Assistant Director of Administration and Finance of Postgraduate Unri in 2010-early 2012, Head of the Regional Development Planning Agency (BAPPEDA) of Indragiri Hilir Regency, Riau in 2012-2014, Head of the Health Office of Indragiri Regency Hilir, Riau in 2014-2015, Ad-hoc Expert Staff of the Pekanbaru City DPRD in 2013-2016, and Head of the Regional Development Planning Bureau (BAPPEDA) of Indragiri Hilir Regency, Riau in 2014-2015. 2017-2020, Coordinator of the Center for Career and Entrepreneurship Development (P2K2) LPPMP-Unri in 2020-2022.

As a lecturer, she has published several papers published in Scopus indexed journals, including "The Impact of Political Marketing Mix on Repeat Voting Decisions in the Indonesian General Election: A Case Study of FEB Students at the University of Riau", "Survey Evaluation of the Development of Financial Performance of Cooperatives and Micro, Small and Medium Enterprises in Riau, Indonesia", "Entrepreneurial Marketing Perspective on MSME Recovery during the COVID-19 Pandemic", "The Decision to Vote for Generation Z as First-Time Voters in the 2019 Presidential Election in Pekanbaru City", and "Model of Empowerment of Micro, Small and Medium Enterprises in Indragiri Hilir Regency, Riau Province, Indonesia". In addition to scientific papers, he has also published several books and monographs, including "Political Marketing Mix and Voting Decisions (2012)", published by Multi Grafindo Yogyakarta; "Culinary Industry vs Online Motorcycle Taxi (2020)", "Political Marketing: Strategy to Influence Voter Decisions (2021)", published by Manggu Makmur Tanjung Lestari Bandung.

GUEST SPEAKER



**Prof Dr Javier Andres Gomez
Diaz,**

**Corporación Universitaria
Minuto de Dios, Colombia,
South America**

Title:

Effects of economic violence and cyberabuse over work environments: a psychological approach

Javier Andres Gomez Diaz was born at Bogota, Colombia, on October 11, 1971. He is researcher teacher in the Psychology Program at the Health Faculty, Corporate University Minute of God, (UNIMINUTO). Prof. Gomez-Diaz completed his bachelor studies in psychology at Konrad Lorenz Foundation University, FUKL, in 1999. Master's in science in Psychology at Los Andes University in 2008, and Doctor in Psychology at Saint Thomas University, in 2024. He currently served as Assistant Professor at UNIMINUTO since 2017.

As lecturer, he has published Scopus Indexed and open journals, including psychological impact of coronavirus-related social Isolation in Colombia after a year of lockdown (Social and Personality Psychology Compass, Scopus Q1), Fake news and Misinformation about Covid-19: comparative analysis of six Iberoamerican countries. (Latin Joirnal of Social Comunicaction, Scopus Q1). Factors associated with perceived credibility and authority (or their social influence) in online news media in Colombia. (Studies on the Journalistic Message, Scopus Q1). Criteria and consumption habits of on-line journalistic information in Colombia (The Information Professional, Scopus Q1). Quality vs. credibility in online journalism: an unequal battle (Observatorio (OBS*) Journal, Scopus Q3). Colombian consumer's decision-making online process: an ex-post-fact Study (Advances in Latin American Psychology, Scopus Q4). Phenomenology of divorce (or the essence of separation) in women (Psychology & Society, Scopus Q4). The role of consequences in altering experimental brand hierarchies (Mexican Journal of Behavioral Analysis, Scopus Q4). Validity evidence on adapting the Coronavirus Fear Scale for Colombia (Evaluate Journal, Open Access). Mental Telehealth Care: a systematized review to design a protocol based on Telepsychology good practices (Antioquia University Psychology Journal, Open Access). Development and validation of a scale to measure partners abuse (Peruvian Psychological Act, Open Acces). Perceived credibility of journalism through the Internet: a view from consumer psychology (DIVERSITAS: Perspectives in psychology, Open Access).

GUEST SPEAKER



Prof. Dr. M. Faishal Aminuddin,

**Universitas Brawijaya,
Indonesia**

Title:

Digital Governance and Technocracy: Obstacles and Opportunity to Delivering Public Services

Prof Dr Muhammad Faishal Aminuddin, S.S, M.Si is an academic and political scientist from Brawijaya University. He received his doctorate rerum politicarum from the Institut fur Politische Wissenschaft, Universitat Heidelberg, Germany. He completed his education from SDN Glagah, MI Falakhiyah Glagah, SMPN Glagah and SMA Negeri Lamongan. In 1999 he enrolled in the Department of History at Airlangga University and graduated in 2005 with a thesis entitled Internment Mentality in Boven Digul 1927-1937. In 2005-2007 he studied master's in political science at Gadjah Mada University and completed his thesis on the decline of patrimonialism in Islamic boarding school society in East Java under the guidance of Prof. Dr Pratikno. At that time he went back and forth from Surabaya to Jogja while working as a freelance researcher at the Java Post Institute of Pro Autonomy (JPIP), which at that time was led by Arif Afandi.

Since 2008 he has been a permanent lecturer at the Political Science Study Program, Brawijaya University. In 2012 he continued his doctoral studies at the Institute fur Politische Wissenschaft, Universitat Heidelberg under the supervision of Prof. Dr. Aurel Croissant and Jeffrey Haynes. He wrote about the role of retired military officers in political parties in Indonesia 1998-2014. He has attended courses on empirical research methods in social and political science at the University of Vienna, Austria and the University of Oxford, England. Faishal with Prof. Saseendran Pallikadavath is the founder of the Portsmouth Brawijaya Center for Global Health, Population and Policy (PB Centre). Joint study center between Brawijaya University and the University of Portsmouth, England. This institution is the result of collaboration sponsored by the Newton Fund project. In 2020, won a competitive grant from the United Kingdom Research Innovation (UKRI) to research the impact of the Covid 19 pandemic on Indonesian Migrant Workers and their families left behind.

GUEST SPEAKER



**Prof. Dr. Fatma Dilvin Taskin,
Yaşar University, Türkiye**

Title:

Sustainable finance, environmental regulations and trade

After graduating from Dokuz Eylül University Faculty of Business in 2004, she received her master's degree in Finance program at Dokuz Eylül University Social Sciences Institute in 2006 and her PhD degree in Business Administration at the same institute in 2011. She started her academic career in 2004 as a research assistant in the field of Accounting-Finance at Dokuz Eylül University, Faculty of Business. In 2012, she was appointed as a assistant professor at Yaşar University, and as of 2015, she was appointed as an associate professor, and in 2020, as a professor. Dilvin Taşkın has articles published in esteemed national and international journals such as Energy Economics, Finance Research Letters, Financial Innovation, Journal of Environmental Management and papers presented at national and international conferences. Her areas of interest include behavioral finance, energy economics, sustainability, banking, capital markets, derivative instruments and corporate governance. Dilvin Taşkın, who is a member of many scientific organizations, has been serving as a manager at the international "Financial Economics Association", which has more than 40,000 members, since 2017. She also acts as the Department Head of International Trade and Finance Department at Yasar University Faculty of Business since 2021. She has given lectures to various business associations such as Turkish Accounting Association, Public Oversight, Accounting and Auditing Standards Authority of Türkiye, Agean Young Business Association and acts as an external reviewer for Small and Medium Enterprises Development Organization projects.

CONFERENCE DIRECTOR



Prof. Dr. Jamaliah Said,

**Accounting Research Institute
Universiti Teknologi MARA
Malaysia**

Prof. Dr. Jamaliah Said is a Professor and a Senior Fellow at the Accounting Research Institute, Universiti Teknologi MARA. She has published over 150 journal articles in indexed journals. She also serves as the managing editor of two renowned journals, the Management and Accounting Review (Scopus Indexed) and the Asia Pacific Management Accounting Journal (WoS Indexed). Her main research areas include accounting, fraud investigation, governance, accountability, and strategic management. Prof. Dr. Jamaliah has received numerous awards, including the "Highly Commended Paper Award 2019" from Emerald Publishing and the "MIA Articles of Merit Award 2019" from the Malaysian Institute of Accountant, as well as the Best Researcher Award for Social Sciences 2022. Prof. Dr. Jamaliah has also been appointed as a Visiting Professor at the Institute of Public Enterprise, Hyderabad; Sambhram Academy of Management Studies, Bangalore, India; and Universitas Bumigora, Lombok, West Nusa Tenggara, Indonesia.

CONFERENCE DIRECTOR



Assoc Prof Dr Nor Balkish Zakaria,

**Accounting Research Institute
Universiti Teknologi MARA
Malaysia**

Assoc Prof Dr Nor Balkish is a chartered accountant (and currently the Deputy Director of Research & Innovation at the Accounting Research Institute of Universiti Teknologi MARA. She obtained several local research grants, including those from Institut Perakaunan Negara, SIRIM, FAMA, Kementerian Dalam Negeri, Jabatan Perdana Menteri, and Kementerian Pengajian Tinggi. She was also awarded the prestigious European ERASMUS grant, Marie Curie and few strategic research partnership grants from Universities in Bangladesh, Indonesia, the Professional Body of the Institute of Management Accountants in the USA and others. She was the Project Director for several joint training events involving UiTM and Malaysian Statutory Bodies in the United Kingdom, Turkey, Bulgaria, Saudi Arabia, and New Zealand. She demonstrates her leadership by organising various UiTM MoAs with overseas counterparts (New Zealand, Indonesia, Bangladesh, Maldives and South Korea) to enable matching research grants among these universities, which led UiTM to global joining publication teams.

CONFERENCE DIRECTOR



Dr Nurhidayah Yahya,

**Accounting Research Institute
Universiti Teknologi MARA
Malaysia**

Dr. Nurhidayah Yahya is a senior lecturer and a fellow in Accounting Research Institute Universiti Teknologi MARA, Malaysia. Her research interests include governance, internal control, corporate integrity, Islamic finance, and sustainability. Dr. Nurhidayah is actively involved in various research projects, national and international grants and has presented her works at national and international conferences. She also had won several gold awards for her innovations at national and international innovation competitions. Further, she is one of the Associate Editors in SCOPUS journal. She has published books and articles, such as those on corporate integrity practices in Malaysian statutory bodies.

TENTATIVE PROGRAM

ICTMS 2024

Day 1: 27 August 2024 (In-person at TU Delft, Netherland)

Time	Program
8.30 AM-9.00 AM	Registration
9:00 AM - 9:05 AM	Opening Session
9:05 AM - 9:30 AM	Welcoming Speech by Prof Dr Marijn Janssen Co-Chair of ICTMS Delft University of Technology, Netherlands
9:30 AM – 10:15 AM	Keynote Speaker by Prof Dr Norazah Abd Rahman Deputy Vice-Chancellor (Research & Innovation) Universiti Teknologi MARA, Malaysia “Pyrolysis revolution: solid waste management to energy sustainability”
10:15 AM-10:45 AM	Break and networking
10:45AM – 12:00PM	Parallel session I
12:00PM-2:30PM	Lunch break
2:30PM – 4:00PM	Parallel session II
8:00PM	Conference dinner

Day 2: 28 August 2024 (Online)

9am-4.30pm (Malaysia Time)

Time	Program
9:00 AM - 9:05 AM	Opening Session
9:05 AM - 9:15 AM	Welcoming Speech by Prof Dr Zuraidah Mohd Sanusi Director Accounting Research Institute (ARI), Universiti Teknologi MARA, Malaysia
9:15 AM – 9:30 AM	Welcoming Speech & Guest Speaker I Assoc Prof Dr Hj Alvi Furwanti Alwie Universitas Riau, Indonesia "Innovation Ability and Entrepreneurial Competence"
9:30 AM – 10:15 AM	Guest Speaker II Prof Dr Javier Andrés Gómez Díaz Corporación Universitaria Minuto de Dios, Colombia, South America "Effects Of Economic Violence and Cyberabuse Over Work Environments: A Psychological Approach"
10:15 AM – 11:00 AM	Guest Speaker III Prof Dr M. Faishal Aminuddin Universitas Brawijaya, Indonesia "Digital Governance and Technocracy: Obstacles and Opportunity to Delivering Public Services"
11:00 AM – 11:45 AM	Guest Speaker IV Prof Dr Dilvin Taskin Yaşar University, Türkiye "Sustainable Finance, Environmental Regulations and Trade"
11:45AM – 2:00 PM	Lunch Break Video ICTMS in-person in Netherland
2:00 PM – 4:00 PM	Parallel Session
4:00 PM	Closing Ceremony and Best Paper Award announcement Dr Nurhidayah Yahya & Prof Dr Jamaliah Said Accounting Research Institute (ARI)

PARALLEL SESSION

28 August 2024 (Day 2) Online, 2pm-4pm (Malaysia time)

Room 1	Room 2
<p>Moderator Dr Aziatul Waznah Ghazali</p>	<p>Moderator Dr Nur Aima Shafie</p>
<p>Paper ID: 2</p> <p>Determinant Of Green Supply Chain Management Practices in Indonesia Company</p> <p><i>Lailan Berampu & Mayla Khoiriyah</i></p>	<p>Paper ID: 3</p> <p>Sustainable Entrepreneurship: Role Of Sustainability at Universities, Sustainability Competencies, And Green Accounting</p> <p><i>Julita, Muhammad Luthfi Iznillah & Alvi Furwanti Alwie</i></p>
<p>Paper ID: 5</p> <p>How Are Innovation and Entrepreneurship In The Culinary Business In Pekanbaru?</p> <p><i>Alvi Alwie, Muhammad Adrian Adrian, Nia Anggraini & Syarifah Fajrina</i></p>	<p>Paper ID: 4</p> <p>The Role of Brand Ambassador In Social Media, Purchase Intention And The Impact To Customer Decision</p> <p><i>Alvi Furwanti Alwie, Rut Chintya. M & Rendra Wasnury</i></p>
<p>Paper ID: 11</p> <p>The Impact of Government Policies on Bangladeshi Labour Migration to Malaysia</p> <p><i>Mohammad Hamidur Rahman</i></p>	<p>Paper ID: 7</p> <p>Unveiling The Dynamics of Market Efficiency and Macroeconomic Drivers: A Comparative Study Of Shari'ah Equity Markets In China And Japan</p> <p><i>Muhammad Shehryar</i></p>
<p>Paper ID: 10</p> <p>Effect Of Tax Justice and Morale on Taxpayer Compliance, Moderated by Trust</p> <p><i>Vince Ratnawati, Nita Wahyuni, Nur Azlina, Nadia Kristina, Taqiyuddin Amri</i></p>	<p>Paper ID: 13</p> <p>Air Quality, Inclusive Development, and Life Expectancy: Moderating Role of Urbanization and Quality of Governance</p> <p><i>Naila Erum</i></p>
<p>Paper ID: 12</p> <p>Risk Tolerance, Perceived Usefulness, And Intention to Subscribe to Digital Unit Trust</p> <p><i>Karim Sunitawati</i></p>	<p>Paper ID: 14</p> <p>Strategic Planning and Capability in the Attainment of Sustainable Performance within Cooperatives</p> <p><i>Noor Jaafar, Zuraidah Mohd-Sanusi, Norazida Mohamed, Mohammad Nizarul Alim.</i></p>
<p>Paper ID: 16</p> <p>Advancing Web-Based Sustainability Reporting: An In-Depth Exploration of Religious Institutions</p> <p><i>Zaharah Abdullah, Nor Aishah Mohd Ali, Siti Fatimah Noor Minhad, Khairiah Ahmad, Nurul Hidayah Ahamad Nawawi, Eley Suzana Kasim, Dej-anan Bungkilo</i></p>	<p>Paper ID: 15</p> <p>Enhancing Accountability Through Corporate Integrity: Evidence from Malaysian Statutory Bodies</p> <p><i>Nurhidayah Yahya, Nor Balkish Zakaria, Jamaliah Said</i></p>