

**Majan Research Excellence:
IEEE Region 8 Local Student Paper Contest**

Monday, 25 November 2024

AGENDA



IEEE
Oman Section

IEEE
Region 8



Inauguration

Venue: Auditorium (M101), Al Maha Block

10:00 AM **Quran recitation**

10:05 AM **Welcome speech**

Mr Wael Al Thohli, President, MUC-IEEE Student Chapter

10:10 AM **Dean's speech**

Dr. Maha Kobeil, Dean , Majan University College

10:00 AM **Keynote speech**

Prof. Rabie A. Ramadan, University of Nizwa

10:55 AM **Memento distribution**

Dr. Maha Kobeil, Dean , Majan University College

11:00 AM **Coffee break and networking**

Social Area, First Floor, Al Maha Block



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Paper Presentations

Parallel Session 1 | Venue: M201

11:30 AM

Paper ID 7: "The Development of a Generative AI Chatbot to Personalize news Delivery in Oman: The Case of Atheer.Om"

Author: Mohammed Al Sulaimani (The Global College Of Engineering And Technology)

11:45 AM

Paper ID 32: "Quantum Resistant Cryptography Strategies to Safeguard Oman's Digital Future in the Post-Quantum Era"

Author: Najla Al Muwaiti , Dr. Divya Jyothi (UTAS - Al Musanna)

12:00 PM

Paper ID 49: "Optimizing Plant Health Monitoring with Machine Learning and Deep Learning."

Author: Mohammed Mosfikul Islam , Vimala Elumalai (Middle East College)

12:15 PM

Paper ID 80: " Swiftrescue: Oman Emergency Response System (OMERS)"

Author: Rachel Rea Dsouza , PuttaswamyM.R. (Middle East College)

12:30 PM

Paper ID 85: "The Role of AI in Predictive Analytics for Digital Marketing: A Study on Efficiency and Accuracy "

Author: Ujma Safi Khalak ,Peer Ayesha (Gulf College)

12:45 PM

Paper ID 84: "Polymeric Deep Eutectic Solvents: Transformative Approaches in Energy Storage"

Author: Anfal Al Balushi (Muscat University)

1:00 PM

Lunch Break

Social Area, First Floor, Al Maha Block

2:00 PM

Paper ID 20: "CO₂ emission heat map for MTC using Python for GIS "

Author: Taif Khamis Mohammed Al Amri, Amol Ganesh Deshmukh (Military Technological College)

2:15 PM

Paper ID 21: "Geocoding/Reverse Geocoding and Routing using Python for GIS"

Author: Shuraf Salim Ali Al Rashdi , Amol Ganesh Deshmukh (Military Technological College Oman)

2:30 PM

Paper ID 22: "Impact of Sea Level Rise on GCC Countries Land Area using Python for GIS"

Author: Ahmed Salim Khalfan Mahil Al Khatri , Amol Ganesh Deshmukh (Military Technological College)

2:45 PM

Paper ID 55: "Malware Exploits In Unprotected Smart Meters With RTU Communication And Impact Analysis"

Author: Abdullah A Alsharji , Martin Hanna (German University of Technology)

3:00 PM

Paper ID 3: "Propose A Framework And Prototype For The Application Of Security Updates On The Internet Of Things Non-Smart"

Author: Wael Khatim Al Thohli (Majan University College)

3:15 PM

Paper ID 19: "Assessing Crisis Damage: A Comparative Study of Satellite and Drone Orthophotography"

Author: Muhannad Al Nadabi , Amol Ganesh Deshmukh (Military Technological College)

3:30 PM

Paper ID 33: "Vulnerability Assessment In Iot Networks"

Author: Haya Alabri , Dr. Divya Jyothi (UTAS - Al Musanna)

3:45 PM

Paper ID 46: "The Impact of Renewable Energy Investments on Oman's Economic Diversification and Strategic Growth: Case of Oman's Economic Strategy and Transformation"

Author: Asma Al Balushi, Maria Teresa, (Middle East College)

Paper Presentations

Parallel Session 2: | Venue: M300

11:30 AM

Paper ID 2: "Leveraging Emerging Technologies and International Entrepreneurship for Achieving Sustainable Development Goals"

Author: Syed Jasra ,Azza Ali Abdullah Al Zakwani (Middle East College)

11:45 AM

Paper ID 61: "The "MAD Tailor" Mobile Application"

Author: Muna Sloum Al Badwi (Environmental Authority) , Rolou Lyn R Maata (Gulf College Muscat)

12:00 PM

Paper ID 81: "Sayer App: A Social Media Platform in Tourism Sector"

Author: Asma Mohammed Ibrahim Salim Al Kabani , Indu Govinda Pillai (Gulf College Muscat)

12:15 PM

Paper ID 86: "Fencing Sports Online Application: Promoting Sports Through Technology"

Author: Noor Alawi Al Haddad , Indu Govinda Pillai (Gulf College Muscat)

12:30 PM

Paper ID 89: " Digital Empowerment of Women: A Case of Oman"

Author: Waid Al Shuhoumi , Razeena Rasheed (Arab open University)

12:45 PM

Paper ID 76: "Effect Of Work Life Balance on Employee Engagement and Commitment in Banking Sector"

Author: Sara Salim Al khusaibi (Majan University College)

1:00 PM

Lunch Break

Social Area, First Floor, Al Maha Block

2:00 PM

Paper ID 60: " مستقبل عُمان للاستثمار في مجال الطاقة المتجددة "

Author: Yousuf Khalfan Alghazi (Majan university College)

2:15 PM

Paper ID 27: " أثر التحول الرقمي في تحقيق أهداف التنمية المستدامة في مجال المكتبات ومراكز

Author: Mazir Nasser Al Battashi (Majan University College)

2:30 PM

Paper ID 6: "Arduino-Based Smart System for Beaches in Sultanate of Oman"

Author: Rahila Begum Gadi (UTAS-Al Musannah)

2:45 PM

Paper ID 9: "Replacement of HPS Lamps with LED Lamps for Powering Street Lighting Systems in Oman"

Author: Nadir Ali Al Shibli, UTAS- Muscat, Arun S Gopinath (UTAS - Shinas)

3:00 PM

Paper ID 29: "Methodological Breakthroughs in Solar Module Defect Inspection: Leveraging UAV Thermal Imaging and Recent Deep Learning Innovations"

Author: Murali Krishna Boddu , Al Zaharaa Saleh Mohammed Al-Senani , UTAS- Shinas

3:15 PM

Paper ID 30: "Enhancing Hydrogen Production Forecasts in PV/FC/DG Hybrid Systems Through Advanced Machine Learning Techniques"

Author: Murali Krishna Boddu, Mohammed Khamis Saif Al Abdul Salam , UTAS-Shinas

3:30 PM

Paper ID 36: "Impact of Robotic in Agriculture"

Author: Fatma Abdullah Albadri (UTAS)

3:45 PM

Paper ID 87: "A Study on the Impact of Recycling on Preserving the Environment in Oman"

Author: Maather Ali Alsubhi , Aya Mohammed Alshuqsi (University Of Technology And Applied Sciences)

4:00 PM

Paper ID 82: "From Barriers to Bridges: The Role of Assistive Technology in Aiding Students with Disabilities "

Author: Syeda Rameen Ali (Majan University College)