

مؤتمر عجمان
الدولي السادس للبيئة
Ajman 6th International
Environment Conference



SUSTAINABILITY

#AIEC2022



حكومة عجمان
Government Of Ajman

دائرة البلدية والتخطيط
Municipality & Planning Department

مؤتمر عجمان
الدولي السادس للبيئة
Ajman 6th International
Environment Conference



TOWARDS >>>>
2071
SHAPING THE
FUTURE
FOR ENVIRONMENTAL
SUSTAINABILITY

SCHEDULE

#AIEC2022 | WWW.AIEC.AE



DAY 1

MONDAY
28TH MARCH 2022

REGISTRATION:
8:30 am – 9:00 am

OPENING CEREMONY

09:30 am

COFFEE BREAK
10:30 – 10:45am

FIRST SESSION

10:45 am

SHAPING THE FUTURE OF SUSTAINABLE CITIES AND COMMUNITIES

VENUE	MAIN HALL
SESSION CHAIRMAN	PROF. RIADH AL – DABBAGH
SPEAKER	KS: PROF. MUKESH LIMBACHIYA
TIME	10:45 am
TOPIC	Shaping Cities for Sustainability and Citizen Wellbeing
SPEAKER	KS: PROF. MANISH KUMAR
TIME	11:05 am
TOPIC	Real-world sustainability, and water end-use pattern analyses: prospective determinants and enabling urban water management strategies
SPEAKER	KS: PROF. PETER FARRELL
TIME	11:25 am
TOPIC	Professionalising the Engineering Workforce to Meet the Challenges of Climate Change and Net-Zero Carbon
SPEAKER	SP: CHRIS WAN
TIME	11:45 am
TOPIC	Shaping the Future of Sustainable Cities

SPEAKER **SP: JONATHAN POLLOCK**
TIME 12:05 pm
TOPIC Shaping the Sustainability future of the car industries.

QUESTIONS & OPEN DISCUSSION

TIME 12:25 pm

COFFEE BREAK
12:35 – 12:45 pm

SECOND SESSION

12:45 pm

FOURTH INDUSTRIAL REVOLUTION ENVIRONMENTAL OPPORTUNITIES

VENUE **MAIN HALL**
SESSION CHAIRMAN **PROF. MUFID SAMARAI**

SPEAKER **KS: PROF. WOLFRAM HARDT**
TIME 12:45 pm
TOPIC AI Applications for Smart Cities & Autonomous Drone Missions

SPEAKER **SP: ENG. HAYSAM SALAH ELDIN MOHAMMED HASSAN**
TIME 13:05 pm
TOPIC Flexural Study of Self-Repaired Reinforced Concrete Beams Using Smart Alloy in Several Strengthening Techniques

SPEAKER **SP: DR. ARASH NEJATIAN**
TIME 13:25 pm
TOPIC ACDC technology is revolutionizing controlled environment agriculture in desert ecosystems

SPEAKER **SP: ENG. NAWAL YOUSEF ALHANAAY**
TIME 13:45 pm
TOPIC The Hydrogen leadership road map towards Achieving the climate strategic initiatives 2050

QUESTIONS & OPEN DISCUSSION

TIME 14:05 pm



LUNCH BREAK
14:15 – 15:00 pm

THIRD SESSION

15:00 pm

THE FUTURE OF CLEAN ENERGY PRODUCTION

VENUE **MAIN HALL**

SESSION CHAIRMAN **DR. MOHAMED ABOULEISH**

SPEAKER **KS: PROF. ABDUL GHANI OLABI**

TIME 15:00 pm

TOPIC Circular Economy SDG's

SPEAKER **SP: DR. SUHAIL ALGHFELI**

TIME 15:20 pm

TOPIC Natural & Health Sciences

SPEAKER **SP: DR. CHAOUKI GHENAI**

TIME 15:40 pm

TOPIC Emerging and Innovative Energy Technologies to Support and Foster Energy Transition

SPEAKER **SP: DR. AHMED HACHICHA**

TIME 16:00 pm

TOPIC Dust effect on solar energy systems and mitigation methods.

SPEAKER **SP: ENG. OMER ABBASS ELAMIN ABBASS**

TIME 16:20 pm

TOPIC Detection of Heavy Metals Concentrations in Plant: Case study Wadafia Dumpsite, Khartoum North, Sudan

QUESTIONS & OPEN DISCUSSION

TIME 16:40 pm

TIME

DAY 2

TUESDAY
29TH MARCH 2022

REGISTRATION:
8:30 am - 9:00 am

FIRST SESSION

09:00 am

ENVIRONMENTAL SUSTAINABILITY AND ARTIFICIAL INTELLIGENCE

VENUE	MAIN HALL
SESSION CHAIRMAN	ENG. HUMAID ABDULLAH ALMUALLA
SPEAKER	KS: PROF. ADEMOLA ADENLE
TIME	09:00 am
TOPIC	Transitioning Toward A Low-Carbon Economy in Era of Sustainable Development- Why Are Developing Countries Struggling
SPEAKER	KS: PROF. DR ENG. ABDUL SALAM KAREEM DARWISH
TIME	09:20 am
TOPIC	Environmental Sustainability And Artificial Intelligence
SPEAKER	SP: ENG. BAYAN MAHMOUD ATHAMNEH
TIME	09:40 am
TOPIC	Monitoring Soil Quality From Space Using Drones, Remote Sensing & Artificial Intelligence
SPEAKER	SP: ENG. SHADI SALEH
TIME	09:55 am
TOPIC	Deep Learning & Machine learning in Computer Vision
SPEAKER	SP: PROF RAMI ISSA AL RUZOUQ
TIME	10:10 am
TOPIC	GIS and Remote Sensing for Environmental Studies
	QUESTIONS & OPEN DISCUSSION
TIME	10:20 am

COFFEE BREAK
10:35 - 10:45 pm

SECOND SESSION

10:45 am

ROADMAP FOR CARBON NEUTRALITY 2071

VENUE	MAIN HALL
SESSION CHAIRMAN	DR. JAZLA FADDA
SPEAKER	KS: DR. KATHERINE IBBOTSON
TIME	10:45t am
TOPIC	Net-Zero.
SPEAKER	SP: ENG.AISHA MOHAMED AL ABDOOLI
TIME	11:05 am
TOPIC	Climate Neutrality
SPEAKER	SP: ENG. BILAL JABR
TIME	11:20 am
TOPIC	Sustainability and the green economy
SPEAKER	SP: ENG. RASHED KHAMIS HAMAD AL HAKMANI
TIME	11:35 am
TOPIC	Carbon and energy Management Projects.
SPEAKER	SP: ENG. MOHAMED ALHOSANI
TIME	11:50 am
TOPIC	The role of waste management for smart and sustainable cities of the future
SPEAKER	SP: PROF. ANTHONY OKOH
TIME	12:05 pm
TOPIC	Emerging challenges in the water sector and their implications for public health
	QUESTIONS & OPEN DISCUSSION
TIME	12:20 am

LUNCH BREAK
12:30 - 14:50 pm

THIRD SESSION

13:20 pm

INNOVATION AND ENTREPRENEURSHIP IN SUSTAINABILITY

VENUE	MAIN HALL
SESSION CHAIRMAN	PROF. RIADH AL -DABBAGH
SPEAKER	SP: FERDAWS ABDULLAH MOHAMMED HUSSEIN
TIME	13:20 pm
TOPIC	DMS at 1, Towards a Resilient Environmental Future
SPEAKER	SP: DR. MUNA MAHMOUD SALAMEH
TIME	13:35 pm
TOPIC	Thermal Conditions and PMV Enhancements in Modern Urban Districts in relation to Traditional ones in Hot-Arid Climate – Ajman-UAE as a case study
SPEAKER	SP: MR. IFTIKHAR HAMDANI
TIME	13:50 pm
TOPIC	Responsible tourism toward sustainability
SPEAKER	SP: ENG. SUMAYA ABDULLAH ALYAMAHI
TIME	13:50 pm
TOPIC	National energy and water demand management program in addition to the national building code
TIME	QUESTIONS & OPEN DISCUSSION
	14:05 pm

WRAP-UP, RECOMMENDATIONS AND CLOSING CEREMONY
14:25 - 15:25 pm



DAY 2 (WORKSHOP)

TUESDAY
29TH MARCH 2022

PARALLEL SESSION

10:30 am

FOURTH INDUSTRIAL REVOLUTION ENVIRONMENTAL OPPORTUNITIES

SESSION CHAIRMAN **PROF. ABDUL SALAM KAREEM DARWISH**

SPEAKER **PETER DENNIS (APEM - UK)**
KEITH WALKER (APEM - UK)

TIME 10:30 am - 11:15 am

TOPIC Cutting Edge Monitoring for Environmental Impact Assessment and Restoration Projects Using High-Resolution Aerial Remote Sensing.

COFFEE BREAK

11:15 - 11:30 am

PANEL DISCUSSION

TIME 11:30 am - 12:00 pm

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