

مؤتمر عجمان  
الدولي السابع للبيئة  
Ajman 7<sup>th</sup> International  
Environment Conference



# مدينة محايدة CITY 2050 مناخياً

## SCHEDULE



09:00 - 08:30

التسجيل

## حفل الافتتاح

09:15 - 09:00

وصول راعي الحفل

09:18 - 09:15

القرآن الكريم

09:20 - 09:18

النشيد الوطني

09:30 - 09:20

كلمة المؤتمر  
معالي الدكتورة/ آمنة بنت عبدالله الضحاک  
وزيرة التغير المناخي والبيئة

09:40 - 09:30

كلمة ضيف الشرف  
معالي/ سعيد محمد الطاير  
رئيس المنظمة العالمية للاقتصاد الأخضر

09:45 - 09:40

كلمة  
سعادة / سالم عمر سالم  
مدير المكتب الإقليمي لمنظمة العالم الإسلامي  
للتربية والعلوم والثقافة - إيسيسكو

09:50 - 09:45

فيديو المؤتمر

09:55 - 09:50

توقيع مذكرات تفاهم

10:05 - 09:55

إعلان الفائزين بجائزة حميد بن راشد الدولية للإستدامة  
(الدورة الثانية)

10:15 - 10:05

التكريم



REGISTRATION

08:30 - 09:00

## OPENING CEREMONY

- **Arrival of the event sponsor** **09:00 - 09:15**
- **Recitation of the Holy Quran** **09:15 - 09:18**
- **National anthem** **09:18 - 09:20**
- **Conference Speech** **09:20 - 09:30**  
**H.E. Dr Amna Bint Abdullah Al Dahak**  
(Minister Of Climate Change and Environment)
- **Guest of Honor Keynote Speech** **09:30 - 09:40**  
**H.E. Saeed Mohammed Al Tayer**  
(Chairman, World Green Economy Organization)
- **Speech** **09:40 - 09:45**  
**H.E. Mr. Salim Omar Salim**  
Regional Director of The Islamic World  
Educational, Scientific and Cultural  
Organization - ICESCO
- **Documentary Film** **09:45 - 09:50**
- **Signing of MOU** **09:50 - 09:55**
- **Ajman Annunciation:Sheikh Humaid Bin Rashid AWARD** **09:55 - 10:05**  
(Second Edition)
- **Honoring Ceremony** **10:05 - 10:15**



# DAY 1

**TUESDAY | 05<sup>TH</sup> MARCH, 2024**



# DAY 1

TUESDAY  
05<sup>TH</sup> MARCH 2024

FIRST SESSION

10:25 

## THE FUTURE OF CLIMATE CHANGE MITIGATION AND ADAPTATION



MR. OVAIS SARMAD

10:25 – 10:45

The future of Climate Mitigation and adaptation in the context of a neutral city 2050



MR. TAHIR DIAB

10:45 – 11:05

The Energy Transition Journey Towards the Net-Zero Goal



PROF. FURAT A. AL-FARAJ

11:05 – 11:25

Strategic adaption plans for sustainable management of the marshlands in the arid and semi-arid regions in response to climate change and upstream anthropogenic interventions: A case study of the Iraqi marshlands



PROF. YASSIR MAKKAWI

11:25 – 11:45

Bioenergy and its Potential for Mitigating Climate Change and Improving Soil Quality in the UAE



PROF. ABDUSALAM DARWISH

11:45 – 12:05

Floating Offshore Wind to Hydrogen: Navigating the Turbulent Waters of the Energy Transition and Steering Toward Climate Resilience



QUESTIONS & OPEN DISCUSSION

12:05 – 12:15



LUNCH BREAK

12:15 – 13:15

# DAY 1













# DAY 1

TUESDAY  
05<sup>TH</sup> MARCH 2024

## SECOND SESSION

13:15 

### THE ENERGY TRANSITION: A KEY TO ADDRESSING CLIMATE CHANGE

	<b>DR.FAHMAN FATHURRAHMAN</b> "Environment in the Islamic World: Challenges and Opportunities"	<b>13:15 – 13:35</b>
	<b>ENG.NAWAL ALHANAEE</b> Energy Strategies Toward the Path to Achieving Climate Neutrality by 2050	<b>13:35 – 13:55</b>
	<b>DR. AHMED GALAL</b> Wind Energy Innovation: Cutting-edge Strategies in Maximum Power Point Tracking for Wind Energy Conversion Systems	<b>13:55 – 14:15</b>
	<b>DR. BASSEM NASSOUHY</b> The Future of Climate Change Mitigation and Circular Economy	<b>14:15 – 14:35</b>
	<b>MR.DAVID PROVENZANI</b> Solar Power and Battery Energy Storage System (BESS): Propelling Climate Action in the UAE	<b>14:35 – 14:55</b>
	<b>PROF.GEORGE AGYEKUM-MENSAH</b> Strategic Renewable Energy Management: Advancing Climate Resilience and Sustainability	<b>14:55 – 15:15</b>
	<b>QUESTIONS &amp; OPEN DISCUSSION</b>	<b>15:15 – 15:25</b>
	<b>HONORING CEREMONY</b>	<b>15:25 – 15:45</b>

# DAY 1



# WORKSHOP 1

TUESDAY  
05<sup>TH</sup> MARCH 2024

UMA MAHESWARAN KRISHNAN

10:30 

## NAVIGATING ARTICLE 6: OPPORTUNITIES FOR CITIES NETZERO COMMITMENTS

 INTRODUCTION 10:30 – 10:45

 SESSION 1: OVERVIEW OF THE ARTICLE 6 AND ITS IMPLEMENTATION 10:45 – 11:45

1. Status and Trends of current Carbon Markets
2. Overview of Article 6 of the Paris Agreement
  - Information on Art 6.2, 6.4, 6.8 mechanisms.
  - Accounting requirements
  - Reporting requirements
3. Institutional arrangements and participation requirements
  - Institutional arrangements of Article 6
  - Participation requirement for Parties
4. Overview of Art 6
  - Article 6.2 Mechanism
  - Article 6.4 Mechanism
  - Private Sector Participation in Article 6.2
  - Art 6.4 – How different from CDM
  - Baseline approaches
  - Crediting periods
  - Discussions on CDM Transition Activities
  - Art 6.2 and 6.4 Process
5. Sustainable Development and requirements

 Q&A AND DISCUSSION 11:45 – 12:00

 LUNCH BREAK 12:00 – 12:45

# DAY 1



# WORKSHOP 1

TUESDAY  
05<sup>TH</sup> MARCH 2024

UMA MAHESWARAN KRISHNAN

12:45 

## NAVIGATING ARTICLE 6: OPPORTUNITIES FOR CITIES NETZERO COMMITMENTS

### SESSION 2: ARTICLE 6. TOOL TO IMPLEMENT MITIGATION ACTIONS TOWARDS CITIES NET ZERO COMMITMENTS 12:45 – 13:45

#### 1. Overview of Markets-based Mechanisms under Cities context

- Carbon Markets role in Cities Mitigation Pathways (learning from CDM and voluntary carbon markets)
- Linkage of NDC Commitments and Cities GHG Emission Reduction

#### 2. Article 6 Case Study: Ajman

- GHG Profile of the CITY
- Possible Mitigation Projects
- Article 6 Linkages

### Q&A AND DISCUSSION 13:45 – 14:15

### CLOSING REMARKS 14:15 – 14:30

DAY 1







# DAY 2

**WEDNESDAY | 06<sup>TH</sup> MARCH, 2024**



# DAY 2 WEDNESDAY 06<sup>TH</sup> MARCH 2024

REGISTRATION

8:30 – 9:00

THIRD SESSION

09:00 

## SHAPING THE FUTURE FOR NET ZERO CITIES AND COMMUNITIES








- |   |   |               |
|---|---|---------------|
|    | <b>PROF. MANISH KUMAR</b><br>Integrating Technologies for Carbon Neutrality for the Asian Communities: the Future of the Past Learnings   | 09:00 – 09:20 |
|    | <b>DR. KONSTANTINAS KLEOVOULOU</b><br>From EMME-Regional to City-Local and from Research to Implementation: A Wholistic Approach for the Climate Crisis                               | 09:20 – 09:40 |
|    | <b>PROF. ADARSH KUMAR PANDEY</b><br>Next Generation Ultra-Tunable Nano enhanced Phase Change Material for Renewable and Sustainable Energy Applications                               | 09:40 – 10:00 |
|    | <b>PROF. PETER FARRELL</b><br>Development of a conceptual framework for strategic implementation of zero carbon initiatives in the UAE construction industry; methodological choices. | 10:00 – 10:20 |
|  | <b>SP: PROF. ROULA MAYA</b><br>Shaping the Future of Cities and Communities with Net Zero Emissions: From Theory to Practice and Exploring International Experience                   | 10:20 – 10:40 |
|  | <b>QUESTIONS &amp; OPEN DISCUSSION</b>  | 10:40 – 10:50 |

# DAY 2 WEDNESDAY 06<sup>TH</sup> MARCH 2024

## FOURTH SESSION

10:50 

### SHAPING THE FUTURE FOR NET ZERO CITIES AND COMMUNITIES








	<b>PROF. WOLFRAM HARDT</b> AI-driven Services: Pioneering Climate Resilience and Sustainable Energy Futures	<b>10:50 – 11:10</b>
	<b>PROF. AHMED SOBAIHI</b> Environmental Sustainability in Ajman: A Journey Towards a Green Future in the UAE	<b>11:10 – 11:30</b>
	<b>PROF MYLES ALLEN</b> Charting the Path Forward: COP28 and the Global Pursuit of ClimateChange Mitigation and Adaptation Toward Achieving Net Zero and Paris Agreement Goals	<b>11:30 – 11:50</b>
	<b>MR.TOMAS PROKOP</b> Fine and Ultra Fine Dust Monitoring in Urban Areas	<b>11:50 – 12:10</b>
	<b>DR.SHADI SALEH</b> Clear Skies Ahead: Harnessing High Quality Data for Environmental Monitoring and Air Quality	<b>12:10 – 12:30</b>
	<b>QUESTIONS &amp; OPEN DISCUSSION</b>	<b>12:30 – 12:40</b>
	<b>COFFEE BREAK</b>	<b>12:40 – 12:50</b>

# DAY 2 WEDNESDAY 06<sup>TH</sup> MARCH 2024

## FIFTH SESSION

12:50 

### ACCELERATING CLIMATE ACTION WITH TECHNOLOGY & INNOVATION & TRANSITION TO LOW-CARBON & INFRASTRUCTURE & WASTE CIRCULAR ECONOMY SYSTEMS.

 MR. IOANNIS FRANTZIS	12:50 - 13:10
Transition to Low-Carbon and Infrastructure and Waste Circular Economy Systems	
 DR. AHLAM KHALDOUNE	13:10 - 13:30
Behaviour of 3D Printed Concrete Bridge Segments Reinforced with Hybrid Smart Reinforcement under static loading.	
 MR. SUHAIL ALGHEFELI	13:30 - 13:50
Youth Pioneering Sustainability: An Examination of Campus Green Initiatives	
 DR. RAMI ISSA AL-RUZOUQ	13:50 - 14:10
A spatio-temporal framework for sustainable planning of buildings based on carbon emissions at the city scale	
 QUESTIONS & OPEN DISCUSSION	14:10 - 14:20
 WRAP-UP, RECOMMENDATIONS AND CLOSING CEREMONY	14:20 - 14:40
 LUNCH	14:45

# WORKSHOP 2

WEDNESDAY  
06<sup>TH</sup> MARCH 2024

MR. TOMAS PROKOP

09:00 

## FINE AND ULTRA FINE DUST MONITORING IN URBAN AREAS

	PARTICULATE MATTER MONITORING WITH RESPECT TO NEW EN REGULATORY REQUIREMENTS	09:00 - 09:40
	SIZING AND COUNTING OF ULTRA FINE PARTICLES	09:40 - 10:20
	HYBRID AIR QUALITY MONITORING NETWORKS ON THE ROAD TO IMPROVED AIR QUALITY	10:20 - 11:00
	COFFEE BREAK	11:00 - 11:15

DAY 2



# WORKSHOP 3

WEDNESDAY  
06<sup>TH</sup> MARCH 2024

DR. AASTHA GULATI

11:15 

## AJMAN NEUTRALITY PATHWAY

 CARBON CONCEPTS

11:15 - 11:30

MR. VISHAL KUAR

11:30 

## AJMAN NEUTRALITY PATHWAY

 CARBON FOOTPRINT AND TARGET SETTING

11:30 - 11:45

 DECARBONISATION LEVERS

11:45 - 12:00

 GHG FRAMEWORKS

12:00 - 12:30

 CARBON MARKET

12:30 - 13:00

# DAY 2



## ORGANIZER



## COLLABORATION



## KNOWLEDGE PARTNER



## GREEN PLUS SPONSOR



## BLUE PLUS SPONSOR



## GREEN SPONSOR



## ORANGE SPONSOR





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