



جامعة أبوظبي
Abu Dhabi University



Under the patronage of
H.E. Sheikh Nahayan Mabarak Al Nahayan
Cabinet Member, Minister of Tolerance and Coexistence

The **4th** International
Conference on Advancing
Sustainable Futures
(ICASF 2027)

Conference Theme:

*Reimagining the Future: Technology,
Innovation, and Interdisciplinary
Solutions for Global Impact*

Physical and Virtual Presentations



3 - 4

February 2027



Abu Dhabi,
UAE



Conference Overview

As we prepare for the 4th International Conference on Advancing Sustainable Futures (ICASF 2027), the global community stands at a pivotal moment where rapid technological progress, evolving socio-economic systems, and complex environmental challenges are redefining the trajectory of human development. Advances in artificial intelligence, digital transformation, biotechnology, and sustainable engineering are reshaping how societies operate, while global challenges such as climate change, resource scarcity, health crises, and social inequality demand innovative and collaborative solutions.

In this context, universities, industry leaders, policymakers, and researchers have a critical responsibility to work together in developing forward-looking strategies that harness technology and innovation to create resilient and sustainable societies. The intersection of technology with social, economic, and environmental systems presents unprecedented opportunities to address global challenges through interdisciplinary approaches and collaborative partnerships.

The theme of ICASF 2027 — “Reimagining the Future: Technology, Innovation, and Interdisciplinary Solutions for Global Impact” — reflects the urgent need to rethink traditional development models and explore transformative ideas that integrate technological advancement with sustainability, inclusivity, and ethical responsibility. The conference seeks to explore how emerging technologies and innovative frameworks can be leveraged to drive sustainable economic growth, improve quality of life, and foster resilient communities across the globe.

ICASF 2027 aims to serve as a dynamic international platform that brings together academics, researchers, policymakers, industry experts, innovators, and practitioners from diverse disciplines and regions. Through keynote sessions, panel discussions, and research presentations, the conference will facilitate meaningful dialogue on cutting-edge research, technological breakthroughs, and policy innovations that contribute to sustainable development.

By encouraging interdisciplinary engagement and collaboration, ICASF 2027 seeks to stimulate new ideas, foster global partnerships, and inspire actionable solutions that address pressing global challenges while advancing the collective goal of building a more sustainable and equitable future.



Conference Objectives

The primary objectives of ICASF 2027 are to:

- Advance interdisciplinary dialogue and collaboration among researchers, industry leaders, policymakers, and practitioners to address complex global challenges through innovative and integrated solutions.
- Explore the transformative role of emerging technologies—including artificial intelligence, digital transformation, and data-driven innovation—in shaping sustainable economies, societies, and future development pathways.
- Promote research and innovation that integrate technology, sustainability, policy, and social impact, fostering holistic approaches to sustainable global development.
- Facilitate knowledge exchange and international collaboration by providing a platform for scholars, professionals, and institutions to share insights, research findings, and best practices.
- Strengthen global partnerships between academia, industry, and governments to accelerate innovation, support sustainable development initiatives, and create meaningful societal impact.

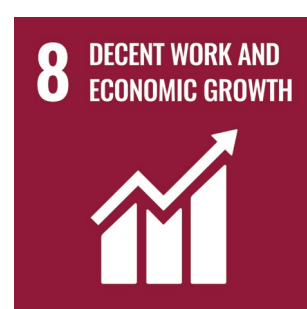
Through these objectives, ICASF 2027 aims to contribute to global conversations on sustainability, technological advancement, and interdisciplinary innovation, supporting the development of solutions that create lasting positive impact for communities and societies worldwide.



Response through SDGs

ICASF 2027 is committed to aligning its objectives with the **17 Sustainable Development Goals (SDGs)** established by the United Nations. The conference seeks to promote research and dialogue that contribute to sustainable development through technological advancement, interdisciplinary collaboration, and global partnerships.

In particular, ICASF 2027 emphasizes contributions that support the following SDGs





فندق باب القصر
BAB AL QASR HOTEL

Conference Tracks

Track 1: Artificial Intelligence, Data Science, and Digital Transformation

- Artificial intelligence for sustainable development
- Machine learning and predictive analytics
- Big data analytics and decision intelligence
- Blockchain for transparency and sustainability
- Digital twins and smart systems
- Cybersecurity and digital resilience
- Data-driven governance and smart policymaking



Track 2: Advanced Engineering and Emerging Technologies

- Civil and environmental engineering innovations
- Robotics and automation systems
- Advanced manufacturing and Industry 4.0
- Nanotechnology and materials science
- Energy systems engineering
- Sustainable materials and green technologies



Track 3: Sustainable Cities and Urban Development

- Smart cities and urban innovation
- Sustainable urban planning and development
- Urban mobility and transportation systems
- Resilient infrastructure systems
- Housing and urban sustainability
- Internet of Things (IoT) for smart cities



Track 4: Environment, Climate Change and Sustainable Resources

- Climate change mitigation and adaptation
- Environmental sustainability and biodiversity
- Renewable and clean energy technologies
- Water resource management
- Waste management and circular systems
- Sustainable agriculture and food systems
- Climate resilience and environmental policy



Conference Tracks

Track 5: Business, Innovation and Sustainable Entrepreneurship

- Sustainable business models and green innovation
- Circular economy and resource efficiency
- Sustainable supply chains and logistics
- Entrepreneurship and startup ecosystems
- Social entrepreneurship and impact investing
- Corporate sustainability and ESG strategies



Track 6: Economics, Finance and Global Development

- Sustainable economic growth and development
- Green finance and sustainable investment
- FinTech and digital financial systems
- Economic resilience and global markets
- Inclusive economic development
- Development economics and emerging markets



Track 7: Governance, Public Policy, Law and Responsible Innovation

- Technology governance and regulation
- Digital government and smart governance
- Public policy innovation and regulatory frameworks
- AI ethics and responsible innovation
- Cyber law and data protection
- Intellectual property and innovation policy
- Environmental law and sustainability regulation
- Global governance and international cooperation



Conference Tracks

Track 8: Education, Skills and Future Learning

- Artificial intelligence in education
- Digital learning and educational technologies
- Future workforce skills and competencies
- Curriculum innovation for sustainability
- Higher education transformation
- Lifelong learning and skills development
- Industry-academia collaboration



Track 9: Health, Biotechnology and Well-being

- Digital health and telemedicine
- Biotechnology and biomedical innovations
- Public health and global health challenges
- Health systems sustainability
- Nutrition, food security and sustainable diets
- Mental health and community well-being
- Medical technologies and healthcare innovation



Track 10: Society, Culture and Inclusive Development

- Technology for social impact
- Inclusive innovation ecosystems
- Gender, equality and social justice
- Migration, urbanization and social transformation
- Digital media and information ecosystems
- Cultural heritage and sustainable development
- Intercultural dialogue and global citizenship
- Community development and social sustainability





ICASF 2027 CALL FOR PAPERS

Scholars, researchers, practitioners, and decision-makers with an interest in the intersections of nature, technology, and society are invited to contribute to ICASF 2025. This conference offers a platform for advancing sustainable futures through innovative solutions and multidisciplinary research. Academic institutions, government bodies, and private sector organizations will benefit from exposure to groundbreaking research that addresses the challenges and opportunities at the convergence of technology, sustainability, and societal development.

We invite academics, practitioners, and research students to submit:

Working Papers

(based on the submission of abstracts of work in progress)

Full Papers

(all Full Paper submissions will undergo a double-blind peer review process)

Doctoral Students are encouraged to submit papers for the Doctoral Colloquium

For those unable to attend in person, virtual participation options are available, allowing you to present your research to a global audience and engage with leading experts from around the world. We look forward to your contributions as we work together to shape the future!



Key Dates (Tentative)

- Abstract submission deadline: **31 May 2026**
- Abstract acceptance notification: **15 June 2026**
- Full paper submission: **31 July 2026**
- Conference registration deadline: **30 September 2026**
- Conference dates: **3 - 4 February 2027**



REGISTRATION AND FEES

- **Conference registration date: 30 September 2026**
- **Secure your spot with Early Bird Registration - 20% registration waiver available until 30 September 2026 [Click here to register](#)**
- Full registration fee: **US\$450**
- Other categories and payment methods are available under Registration Type: **<https://www.adu.ac.ae/icasf>**
- The registration fee for **Abu Dhabi University Global Engagement Program (GEP) members** is **US\$350**. To learn more about the **Global Engagement Program (GEP)** and to register click here: **<https://bit.ly/3TwEUJ3>**
- To complete the registration form please click here: **<https://www.adu.ac.ae/icasf>**



Panel Discussion

The Future of Humanity in the Age of Artificial Intelligence

Overview

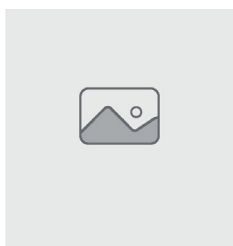
This panel will explore how artificial intelligence is reshaping economies, education, governance, and human interaction. Experts will discuss opportunities, ethical challenges, and the role of responsible AI in shaping inclusive and sustainable societies.

SDG Alignment

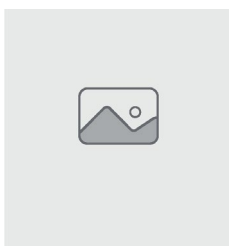


Objectives

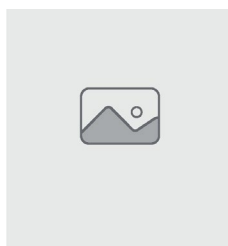
- Examine the transformative impact of AI on society, education, governance, and economies.
- Discuss ethical, regulatory, and societal implications of AI adoption.
- Explore how responsible AI can contribute to inclusive and sustainable development.
- Identify opportunities for human–AI collaboration to solve global challenges.



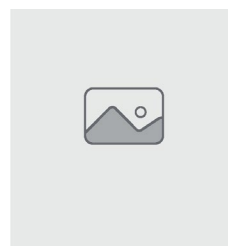
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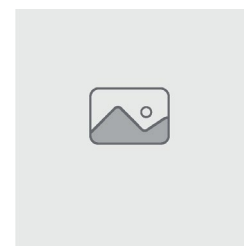


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Moderator



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Panel Discussion Technology and the Race to Achieve the Sustainable Development Goals

Overview

This panel will examine how technological innovation can accelerate progress toward the global sustainability agenda established by the United Nations under the Sustainable Development Goals.

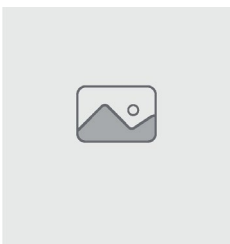
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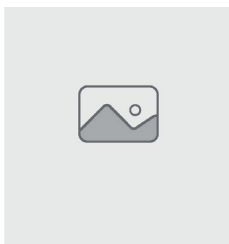
Objectives

- Highlight how technology can accelerate the achievement of the SDGs.
- Showcase the role of universities and research in sustainability-driven innovation.
- Explore collaboration between academia, industry, and government for impact.
- Identify scalable technology solutions for climate and development challenges.

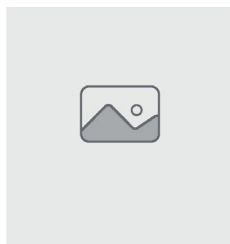
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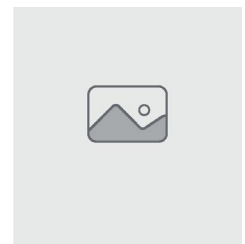
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Panel Discussion Smart Cities and the Future of Urban Living

Overview

As cities continue to expand, digital infrastructure, sustainable urban planning, and technological integration are becoming essential for building resilient communities.

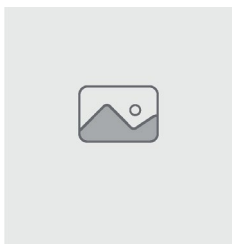
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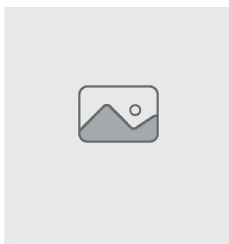
Objectives

- Discuss the future of smart and sustainable urban development.
- Explore the role of AI, data, and digital governance in city planning.
- Examine sustainable mobility, energy, and citizen-centered services.
- Identify pathways to build resilient and inclusive urban communities.

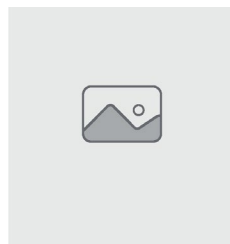
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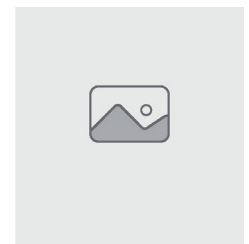
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Panel Discussion

Innovation Ecosystems: How Universities, Industry and Government Can Collaborate for Global Impact

Overview

This panel will discuss how collaborative ecosystems can accelerate research commercialization, entrepreneurship, and technological breakthroughs.

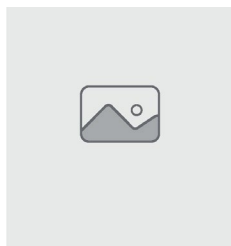
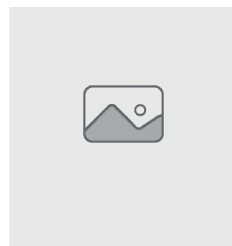
SDG Alignment



Objectives

- Explore effective models of university–industry–government collaboration.
- Discuss mechanisms to accelerate innovation, startups, and commercialization.
- Identify how innovation ecosystems can create economic and societal value.
- Strengthen partnerships that translate research into real-world impact.

Moderator

				
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Panel Discussion Climate Technology and the Future of Sustainable Development

Overview

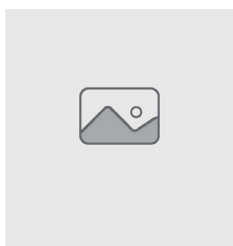
Experts will explore how emerging technologies can address climate change, environmental degradation, and resource scarcity.

SDG Alignment

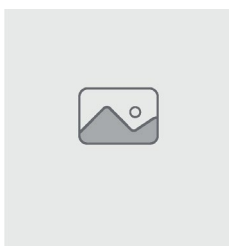


Objectives

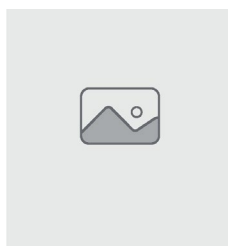
- Examine how climate technologies can address environmental and sustainability challenges.
- Highlight innovations in renewable energy, green infrastructure, and resource efficiency.
- Discuss investment and policy enablers for climate-tech adoption.
- Promote scalable solutions for sustainable development and climate resilience.



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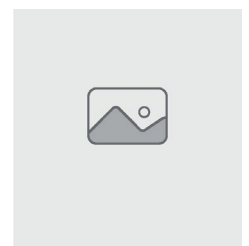


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Panel Discussion Education for the Future: Preparing the Workforce for an AI-Driven World

Overview

As technology transforms the global economy, education systems must adapt to prepare learners for future skills and interdisciplinary careers.

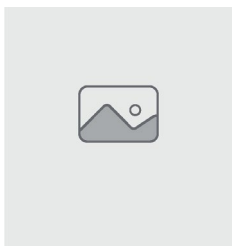
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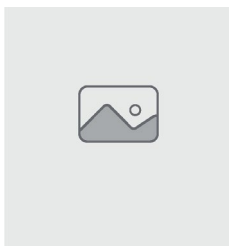
Objectives

- Discuss how education systems should evolve for an AI-driven future.
- Identify the competencies and skills required for future workforces.
- Explore the role of lifelong learning and personalized education pathways.
- Strengthen collaboration between universities and employers in talent development.

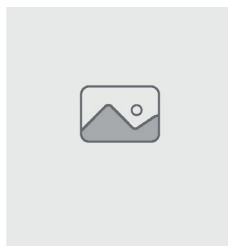
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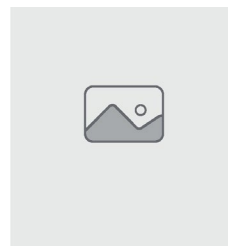
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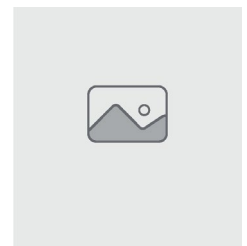
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Panel Discussion Digital Transformation and the Future of Global Economies

Overview




This panel will explore how digital technologies are reshaping global markets, financial systems, and economic development.

SDG Alignment



Objectives

- Examine the role of digital transformation in economic growth and competitiveness.
- Explore emerging trends in fintech, blockchain, and digital economies.
- Discuss inclusive and sustainable pathways for digital economic development.
- Identify policy and governance frameworks that support digital innovation.

				Moderator
				
Name Position	Name Position	Name Position	Name Position	Name Position

Panel Discussion Ethics, Trust and Responsibility in the Digital Age

Overview



Technological transformation raises important ethical, legal, and societal questions that must be addressed through responsible governance.

SDG Alignment



Objectives

- Discuss ethical and governance challenges in the digital age.
- Examine issues of privacy, cybersecurity, trust, and accountability.
- Explore how institutions can foster responsible innovation.
- Identify frameworks for building public confidence in digital systems.

				Moderator
				
Name Position	Name Position	Name Position	Name Position	Name Position

Panel Discussion Health Innovation and the Future of Global Healthcare

Overview

Healthcare systems worldwide are being transformed by biotechnology, AI, and digital health technologies.

SDG Alignment



Objectives

- Explore how AI, biotechnology, and digital health are reshaping healthcare delivery.
- Discuss opportunities for telemedicine, precision medicine, and health resilience.
- Examine innovation pathways for stronger and more equitable health systems.
- Identify interdisciplinary and global collaborations that advance healthcare innovation.

Moderator

				
Name Position	Name Position	Name Position	Name Position	Name Position

Panel Discussion Grand Challenges and Interdisciplinary Solutions

Overview





This panel will explore how interdisciplinary approaches are essential for addressing major global “grand challenges” such as climate change, health security, sustainable cities, and digital governance.

SDG Alignment



Objectives

- Highlight the importance of interdisciplinary approaches in solving global challenges.
- Showcase how research, policy, and innovation can be integrated for impact.
- Encourage collaboration across sectors and disciplines.
- Position ICASF 2027 as a platform for solutions-oriented global dialogue.

				Moderator
				
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Explore Previous ICASF Series

The ICASF Conference series has consistently brought together global thought leaders, researchers, and practitioners to explore key themes shaping our sustainable future.

Take a look at our past editions:

ICASF 2025

Theme: Shaping the Future: Synergies Between Nature, Technology, and Society

[View Conference Website](#) [View Conference Video 1](#)

ICASF 2024

Theme: Innovation and Digital Transformation for Sustainable Futures

[View Conference Website](#) [View Conference Video 1](#) [View Conference Video 2](#)

ICASF 2023

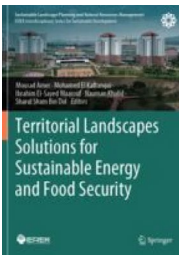
Theme: Sustainable Futures and Technologies

[View Conference Website](#) [View Conference Video](#)

Published Conference Proceedings

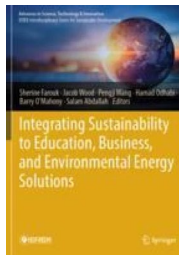
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ICASF 2023 Scopus-indexed conference proceedings:



**Territorial
Landscape
Solutions for
Sustainable Energy
and Food Security**

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**Integrating
Sustainability
into Education,
Business, and
Environmental
Energy Solutions**

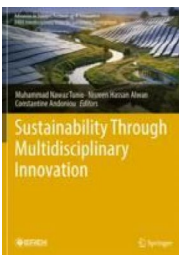
[Read More](#)



**Green
Infrastructure and
Construction for a
Sustainable Future**

[Read More](#)

ICASF 2024 Conference Proceedings



**ASTI Book:
Sustainability
Through
Multidisciplinary
Innovation**

[Read More](#)

In addition, three more ICASF 2024 conference proceeding books are currently underway and will be announced soon.

Conference Committee

Conference Advisor



Prof. Ghassan Aouad

Chancellor, Abu Dhabi University

Conference Chair



Prof. Sherine Farouk

Associate Provost for Internationalization and Academic Projects, Abu Dhabi University

Conference Coordinators



Ms. Khulud Abdallah

Office Manager, Office of the Chancellor



Ms. Sakshi Sharma

Project Analyst, Office of Internationalization

Organizing Committee

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Vice Chancellor for AI and Operational Excellence

Prof. Barry O'Mahony

Provost, Dean of the college of Business

Mr. Salem AlDhaheri

Executive Director, Office of the Chairman

Mr. Bassam Murra

Executive Director of Marketing, Enrollment and Registration

Dr. Sarah Al-Hashimi

Associate Director of University Development Office

Mrs. Noor Al Masri

Associate Director of Marketing and Communication

Mr. Ibrahim Odhabi

Academic Project Coordinator, Office of Internationalization

Sana Mbayed

Events Officer





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Track - Advanced Engineering and Emerging Technologies

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Professor of Chemical Engineering

Dr. Mohamed El Kaftangui
Associate Professor of Architecture

Dr. Reem Sabouni
Associate Professor of Civil Engineering

Dr. Manish Kewalramani
Associate Professor of Civil Engineering

Prof. Omar Chaalal
Professor of Chemical Engineering

Prof. Osama Mohamed
Professor of Civil Engineering

Dr. Mark Major
Associate Professor of Architecture

Track - Business, Innovation and Sustainable Entrepreneurship

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Associate Professor of Marketing

Dr. Muhammad Kazi
Associate Professor of Business Analytics and Operations Management

Dr. Masoud Khakdaman
Assistant Professor of Logistics and Supply Chain Management

Dr. Hossam Abu Elanain
Professor of Management

Prof. Jacob Cherian
Professor of Management

Dr. Amit Kumar,
Assistant Professor of Management

Dr. Ghada Seif
Assistant professor of PR and Strategic Communication

Track - Education, Skills and Future Learning

Prof. Ghanem Al Bustami
Professor of Development & Education Psychology

Dr. Sana'a Al Reiahy
Assistant Professor of Education

Dr. Areej Ahmed
Assistant Professor of Education

Dr. Constantine Andoniou
Associate Professor of Education

Dr. Yara Azouqa
Assistant Professor of Education

Track - Artificial Intelligence, Data Science, and Digital Transformation

Prof. Mohammed Ghazal
Professor of Electrical and Computer Engineering

Dr. Murad Al-Rajab
Assistant Professor of Computer Science and IT

Dr. Jawad Yousaf
Associate Professor of Electrical and Computer Engineering

Prof. Adel Khelifi
Professor of Computer Science and Information Technology

Dr. Shehzad Ashraf
Associate Professor in Cyber Security Engineering



Internal Scientific Committee

Track - Health, Biotechnology and Well-being

Prof. Nauman Khalid

Professor of Health and Sciences

Dr. Afsheen Raza

Associate Professor of Molecular Biology

Dr. Nermin Eissa

Assistant Professor of Biomedical Sciences

Dr. Munther Alomari

Assistant Professor of Bio Chemistry and Molecular Biology

Dr. Nisreen Alwan

Professor of Environmental Health and Safety and Associate Dean of Academic Affairs

Dr. Najla Al Nassar

Assistant Professor of Human Nutrition and Dietetics

Dr. Abdulmajeed Almutary

Assistant Professor of Immunology & Microbiology

Dr. Zeina Al Mahairi

Assistant Professor of Genetics

Track - Environment, Climate Change and Sustainable Resources

Dr. Rahaf Ajaj

Assistant Professor of Environmental Health and Safety

Dr. Sabeera Haris

Assistant Professor of Environmental Health and Safety

Dr. Hatem Abushammala

Associate Professor of Environmental Health and Safety

Dr. Nadia El Mrayyan

Assistant Professor of Public Health

Dr. Reham Kotb

Assistant Professor of Public Health

Dr. Marguerite Sendall

Associate Professor of Public Health

Prof. Haleama Al Sabbah

Professor of Public Health

Track - Sustainable Project Management for Technology-Driven Impact

Prof. Evan Paleologos

Professor of Engineering and Project Management

Dr Oussama Kajjoun

Assistant Professor of Engineering Management

Dr. Anas Rawhi Najdawi

Associate Professor of Management Information Systems, Director of Dubai Campus

Dr. Alaa Amin Abdalla

Assistant Professor of Sustainable Development and Management

Track - Society, Culture and Inclusive Development

Dr. Mohammad Fteiha

Campus Director - Al Ain

Dr. Viola Gjylbegaj

Assistant Professor of Mass Communication

Dr. Rosemary Soliman

Assistant Professor of International Communication

Dr. Nunna Venkata Prasad

Associate Professor in Mass Communication

Dr. Andi Musrah

Assistant Professor in Psychology



Internal Scientific Committee

Track - Governance, Public Policy, Law and Responsible Innovation

Dr. Christina Koutra

Associate Professor of Management

Dr. Rawan Al-Louzi

Assistant Professor of Commercial Law

Dr. Ashraf Alra'i

Assistant Professor of Penal Law

Dr. Hossam Aly

Assistant Professor of Commercial Law

Dr. Elsoghair Mahdy

Associate Professor of Civil Law

Dr. Aditya Anshu

Assistant Professor of International Relations

Dr. Dina Imad

Chair of the College of Law and Assistant Professor of Public Law

Dr. Yassine Chami

Assistant Professor of Civil Procedures Law

Dr. Hayssam Hammad

Chair of Private Law and Assistant Professor of Private Law

Dr. Tatyana Gibbs

Assistant Professor in Ethics and Governance in Cybersecurity

Track - Economics, Finance, and Global Development

Prof. Haitham Nobanee

Professor of Finance

Dr. Ilias Kampouris

Associate Professor of Finance

Prof. Charilaos Mertzanis

Professor of Finance

Prof. Najla Ellili

Professor of Finance

Dr. MD Siddique

Assistant Professor of Accounting



The Destination

Abu Dhabi is the capital city of the United Arab Emirates (UAE), situated along the Arabian Gulf's tranquil shores. The city is known for its blend of innovative urban development and rich cultural heritage, making it an ideal backdrop for a conference centered on pioneering sustainable and innovative futures.

We are thrilled to announce that ICASF 2025 will be hosted at the magnificent Emirates Palace Mandarin Oriental, Abu Dhabi—a world-renowned 5-star destination that epitomizes luxury, elegance, and exceptional service.

Overlooking the serene waters of the Arabian Gulf, the Emirates Palace is a true architectural masterpiece, featuring opulent interiors, gold accents, and stunning domes that create a majestic ambiance. With its private beach, lush gardens, award-winning dining, and state-of-the-art conference facilities, the venue offers a perfect blend of comfort and sophistication. This iconic setting provides an inspiring backdrop for meaningful dialogue, high-level exchange, and unforgettable experiences. The Emirates Palace is not just a venue—it's a destination worthy of a global gathering like ICASF 2025.

Discover more about the venue here:

<https://www.mandarinoriental.com/en/abu-dhabi/emirates-palace>

The weather in December in Abu Dhabi is pleasantly warm, with temperatures ranging from 18 to 26°C, providing a comfortable climate for exploring the city's attractions and enjoying outdoor dining by the Gulf. This hospitable environment and Abu Dhabi's visionary advancements resonate with the conference's goal of fostering a sustainable and digitally transformative future. For more insights into what Abu Dhabi has to offer, go to <https://www.visitabudhabi.com/en/>