

## Organizers



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The College of Engineering at ADU and the fib-UAE invite you to the

# 6<sup>th</sup> Women in Engineering Forum 2024

Engineering the Future: Women Breaking Barriers with Innovation for a Sustainable World

7 - 8 May 2024 (Hybrid) 9 am - 5 pm (UAE Timing)

Abu Dhabi University Auditorium, Abu Dhabi Campus

Those who can't attend in-person can join us virtually:

Day 1 (<https://tinyurl.com/6thWIEF-24Day1>)

Day 2 (<https://tinyurl.com/6thWIEF-24Day2>)

## Program Day 1: 7 May 2024

		Speakers
9:00 - 9:30	Registration	
9:30 - 9:35	National Anthem	
9:35 - 9:40	Forum Opening Remarks	<b>Dr. Reem Sabouni</b> , Forum Chair, Associate Professor, Abu Dhabi University, Chair Women Engineers fib-UAE, ASCE-UAE Section President
9:40 - 9:45	ADU Welcoming Notes	<b>Prof. Ghassan Aouad</b> , Chancellor, Abu Dhabi University
9:45 - 9:50	COE Opening Remarks	<b>Dr. Hamdi Mustafa Sheibani</b> , Dean of College of Engineering, Abu Dhabi University, UAE
9:50 - 9:55	fib-UAE Welcoming Notes	<b>Eng. Rayed Alarashi</b> , Head fib-UAE, Manager, Project Light Portfolio (Upstream), Project Light Division, Abu Dhabi National Oil Company, SOE-UAE Board Member
9:55 - 10:00	Abu Dhabi University's Research Strategies and Women Inclusion	<b>Prof. Montasir Qasymeh</b> , Associate Provost for Research, Innovation and Academic Development, Abu Dhabi University
10:00 - 10:15	Partners, Sponsors, and Supporters Appreciation and Group Photo	
10:15 - 10:45	Keynote:	
10:15 - 10:45	From Ocean to Space: Women Leaders in Science, Tech. and Engineering	<b>Dr. Eng. Suaad Sultan Al-Shamsi</b> , First uae female aircraft engineer, Aviation advisor-WAI
10:45 - 11:45	<b>Plenary Session:</b> Empowering Women in Engineering: Innovating the Urban Future with AI, 3D Printing, and Sustainable Development <b>Chaired by: Dr. Reem Sabouni</b> , Forum Chair, Associate Professor, Abu Dhabi University, Chair Women Engineers fib-UAE, ASCE-UAE Section President	
10:45 - 11:05	From Ideas to Reality: AI-Powered Landscape Conceptualization	<b>Eng. Salama Saeed Alketbi</b> , Head of the Creative Design Department, Infrastructure Technical Support Management, Municipal Infrastructure and Assets, Abu Dhabi City Municipality, UAE
11:05 - 11:25	Elevating Engineering: Dubai Municipality's Accomplishments in Innovation and 3D Concrete Printing	<b>Eng. Meera Muhsen Abdulqader Alameri</b> , Section Manager of Research and Building Systems at the Building Permits Department in Dubai Municipality, UAE
11:25 - 11:45	Driving sustainable development amidst conformity and greenwashing challenges	<b>Eng. Lisa Terry</b> , Senior Manager, Sustainability - Mott MacDonald, UAE
12:00 - 1:00	<b>Empowering Women in Engineering Innovative Sustainability Poster Competition Presentations Lunch Break</b>	
1:00 - 2:15	<b>Session 1: Bridging Success: Women Engineers Driving Innovation, Safety, and Sustainability</b> <b>Chaired by: Dr. Reham Alhindawi</b> , Assistant Professor, Mechanical Engineering Department, Abu Dhabi University	
1:00 - 1:15	Inspection and Monitoring of Abu Dhabi Bridges	<b>Eng. Reem Muhsen Mohammed Dahan Almarqab</b> , Senior road Engineer - Technical Support Department, Municipal Infrastructure and assets, Abu Dhabi Municipality
1:15 - 1:30	Weaving a Narrative of Success	<b>Dr. Haya Aldaghlis</b> , Director, Strategy & Regulations- Abu Dhabi Maritime
1:30 - 1:45	Empowering Women in Engineering: Driving Innovation and Sustainability through Collaboration and Diversity	<b>Eng. Enas Selim</b> , Manager Sustainability- Mott MacDonald
1:45 - 2:00	Road Safety Infrastructure Projects in Abu Dhabi City	<b>Eng. Zainab Mohamed Hasan Mohamed Alhosani</b> , Project Manager, Infrastructure Development Department, Municipal Roads and Infrastructure Sector, Abu Dhabi City Municipality
2:00 - 2:15	Evolution and value creation of the green building agenda in the Middle East	<b>Eng. Amy Harshan</b> , Senior Consultant, Sustainability- Mott MacDonald
2:15 - 2:30	Coffee Break	
2:30 - 3:30	<b>Session 2: Engineering Horizons: Innovations in Infrastructure and Sustainability</b> <b>Chaired by: Dr. Nadia Mounajjed</b> , Associate Professor of Architecture, Abu Dhabi University	
2:30 - 2:45	LED street lighting with the power-saving system for phases 1 and 2	<b>Eng. Amani Mohamed Alsammani</b> , Chief Engineer, Infrastructure maintenance department, Municipal Infrastructure and Assets, Abu Dhabi City Municipality
2:45 - 3:00	Fueling Innovation: Empowering Women in Engineering through Gas Production Optimization Models	<b>Eng. Mezna Alblooshi</b> , Production engineer, ADNOC, UAE, Master of Project Management Student, Abu Dhabi University
3:00 - 3:15	The Importance of regional in Sustainability context	<b>Eng. Latifa Almansoori</b> , Consultant, Sustainability - Mott MacDonald
3:15 - 3:30	Navigating the PSI Infrastructure Permit System: A Comprehensive Overview	<b>Eng. Amal Khalil Alhosani</b> , Control Devices Engineer, Municipal Roads and Infrastructure, Municipal Infrastructure and Assets, Abu Dhabi City Municipality
3:30 - 3:45	The role of hydrogen in the decarbonization of energy systems	<b>Eng. Amina Bouzarour</b> , Process Engineer- Mott MacDonald
3:45 - 4:00	Advancing Civil Engineering Through Trenchless Technology and risk management: A Woman's Perspective	<b>Dr. Wisam Nasser</b> , General Manager, Synaxis Cement Products LLC
4:00 - 4:30	<b>Empowering Women in Engineering Innovative Sustainability Poster Competition Winner Announcement</b> <b>Day 1 Speakers' Appreciation and Group Photo</b> <b>Day 1 Closing Remarks</b>	

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### Program Day 2: 8 May 2024

		Speakers
10:30 - 11:00	Registration	
11:00 - 11:05	Day 2 Opening Remarks	<b>Dr. Reem Sabouni</b> , <i>Forum Chair, Associate Professor, Abu Dhabi University, Chair Women Engineers fib-UAE, ASCE-UAE Section President</i>
<b>11:05 - 11:30</b>	<b>Plenary Session</b>	
11:05 - 11:30	Data-Assisted Modeling and Optimization for Design of Systems Critical to Sustainability	<b>Dr. Fani Boukouvala</b> , <i>Associate Professor, Chemical and Biomolecular Engineering, Georgia Institute of Technology, Georgia, USA</i>
11:30 - 12:00	Sustainability and the fib Model Code	<b>Eng. Iria Licia Oliva Doniak</b> , <i>fib Vice President, Executive, President ABCIC Brazilian Association of Industrialized, Concrete Construction, Brazil</i>
<b>12:00 - 12:30</b>	<b>Session 1: Advancing Technology for Sustainable Solutions: Perspectives on Speech, Data Modeling, and Battery Innovation</b> <b>Chaired by: Dr. Huma Zia</b> , <i>Assistant Professor of Computer Engineering, Abu Dhabi University</i>	
12:00 - 12:20	Arabic Speech Technology: Challenges and Solutions	<b>Dr. Hanan Aldarmaki</b> , <i>Assistant Professor, Mohamed Bin Zayed of AI (MBZUAI)</i>
12:20 - 12:40	Breaking Barriers: Women's Impact on Smart Walking Stick Development using Artificial Intelligence	<b>Eng. Hamda Fasla</b> , <i>Master of Science in Information Technology, Teaching assistance Computer Science and Information Technology, Abu Dhabi University</i>
12:40 - 1:00	A Multidimensional Perspective on Synergizing Innovations in Lithium-Ion Battery Thermal Management	<b>Eng. Mehwish Khan Mahek</b> , <i>Master of Mechanical Engineering Student, Research Assistance, Mechanical Engineering Department, ADU</i>
<b>1:00 - 1:15</b>	<b>Day 2 Speakers' Appreciation and Group Photo</b> <b>Forum Closing Remarks</b>	