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

5th Women in Engineering Forum 2023

The Contribution of Women Engineers to Smart Construction Technologies, 3D Printing, and Sustainable Smart Cities

15 - 16 March 2023 (Hybrid) 9 am - 4 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/5thWIEF-2023Day-1Registration>)

Day 2 (<https://tinyurl.com/5thWIEF-2023Day-2Registration>)

Program Day 1: 15 March 2023

		Speakers
9:00 - 9:30	Registration	
9:30 - 9:35	National Anthem	
9:35 - 9:40	Forum Opening Remarks	Dr. Reem Sabouni , Forum Chair, Associate Professor, Abu Dhabi University, Chair Women Engineers fib-UAE, ASCE-UAE Section President
9:40 - 9:45	ADU Welcoming Notes	Prof. Ghassan Aouad , Chancellor, Abu Dhabi University
9:45 - 9:50	ADU Opening Remarks	Prof. Thomas Glas-Hochstettler , Provost, Abu Dhabi University, UAE
9:50 - 9:55	COE Opening Remarks	Dr. Hamdi Mustafa Sheibani , Dean of College of Engineering, Abu Dhabi University, UAE
9:55 - 10:00	fib-UAE Welcoming Notes	Eng. Rayed Alarashi , Head fib-UAE, Manager, Project Light Portfolio (Upstream), Project Light Division, Abu Dhabi National Oil Company
10:00 - 10:15	fib-International Welcoming Notes and Activities and Vision of the fib	Eng. Iria Licia Oliva Doniak , fib Vice President, Executive President ABCIC Brazilian Association of Industrialized Concrete Construction, Brazil
10:15 - 10:45	Keynote:	
10:15 - 10:45	Dr. Majida's success story as an example of a pioneering female engineer with a great list of achievements	Dr. Majida Alazazi , Chairwoman of M Glory Holding Group & the Founder of Al Damani Motor Vehicles Manufacturing & Board Member of Sandstorm Automotive Factory.
10:45 - 11:00	Student Raffle Draw*	
11:00 - 11:45	Panel Discussion:	
11:00 - 11:45	EGA Sponsored Panel Discussion: Women in Heavy Industry: Challenges and Opportunities	<ul style="list-style-type: none"> Dr. Majida Alazazi, Chairwoman of M Glory Holding Group & the Founder of Al Damani Motor Vehicles Manufacturing & Board Member of Sandstorm Automotive Factory. Najeeba Al Jabri, Technical Vice President, Midstream Iman Al Qasim, Executive Vice President, Human Capital, Emirates Global Aluminum Lisa Kamin, Head of Field Sales & Business Development UAE, Siemens Energy Fatima Al Thehli, Senior Engineer, Sanad Noura Eisa Saeed Al Harasi, Manufacturing Engineer, Strata
11:45 - 12:00	Partners, Sponsors, and Supporters Appreciation and Group Photo	
12:00 - 12:20	ADU - COE 3D Concrete Printing Research Lab Tour	
12:20 - 1:15	Lunch Break and Poster Presentations Student Raffle Draw*	
1:15 - 2:15	Session 1: Breaking Barriers and Building Bridges: Innovative Approaches to Safety, Sustainability, and Inclusion in Construction	
1:15 - 1:30	Improving Safety in Construction Sites using Ultrawide Band (UWB) Realtime Tracking	Dr. Farnaz Sadeghpour , Vice President Technical Committee, Canadian Society of Civil Engineers, Associate Professor in Department of Civil Engineering, University of Calgary, Canada
1:30 - 1:45	The Use of Recycled Concrete Crushed Aggregate RCA In Road Projects as Per AD QCC Specification	Eng. Eiman Khamis Alhammadi , Senior Transport Services Coordination Engineer, Infrastructure and Services Coordination, Municipal Infrastructure and Assets, Abu Dhabi Municipality
1:45 - 2:00	3D Printing Implementation	Eng. Marwa Abdulqader ALTamimi , 3D Printing Specialist, Senior Engineer, Building Permits, Dubai Municipality
2:00 - 2:15	Building an Inclusive Construction Industry: The Potential of 3D Concrete Printing to Engage Women in Engineering	Dr. Reem Sabouni , Forum Chair, Associate Professor, Abu Dhabi University, Chair Women Engineers fib-UAE, ASCE-UAE Section President
2:15 - 2:30	Student Raffle Draw*	
2:30 - 3:30	Session 2: Empowering Women in Engineering: Leveraging Knowledge, Innovation, and Sustainability through BIM, Architecture, Arbitration, and Project Management	
2:30 - 2:45	Summarize BIM and the benefits of implementing it in ADM infrastructure projects	Eng. Fatmah Ali Alsaadi , Acting Head of Technical Audit Section, Parks and Recreation Facilities, Municipal Infrastructure and Assets, Abu Dhabi Municipality
2:45 - 3:00	Women in Sustainable Architecture	Dr. Nadia Mounajjed , Associate Professor of Architecture, Abu Dhabi University
3:00 - 3:15	The Importance of Arbitration in Engineering and Construction Disputes	Ms. Hessa Alshehhi , Consultant, Arbitration and Conciliation, ADCCAC, Abu Dhabi Chamber
3:15 - 3:30	Importance of Blast and Timber Engineering for Future Cities	Dr. Abba Krouma , PhD Candidate, Civil Engineering University of Ottawa, College of Engineering, Canada
3:45 - 4:15	Day 1 Speakers Appreciation and Group Photo Day 1 Closing Remarks Student Raffle Draw*	

* Only students attending the 5th WIEF2023 in person are eligible to enter the raffle draw

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Day 2 (<https://tinyurl.com/5thWIEF-2023Day-2Registration>)

Program Day 2: 16 March 2023

		Speakers
9:00 - 9:30	Registration	
9:30 - 9:40	Day 2 Opening Remarks	Dr. Reem Sabouni , Forum Chair, Associate Professor, Abu Dhabi University, Chair Women Engineers fib-UAE, ASCE-UAE Section President
9:40 - 10:10	Plenary Session	
9:40 - 10:00	Building Resilience: The Future of Floating Cities	Dr. Elias Sayah , ASCE Director Region 10 (2020), President and Founder, Sayah Engineering Consulting Bureau, GEFCO, LIWA Petroleum and Technology Services
10:00 - 10:20	Optimizing Offsite Manufacturing - Low Carbon High function	Eng. Aleksandra Popivoda , Technical Director, Building Structures Practice Lead Middle East, Built Environment Sector Lead, Mott MacDonald, Abu Dhabi
10:20 - 11:20	Session 1: Building a Sustainable and Innovative Future: Women's Perspectives on Offsite Manufacturing, Precast Concrete, Blast and Timber Engineering, and Construction Technologies	
10:20 - 10:40	Mechanism of Turning Knowledge into Innovative Engineering Projects	Eng. Nouf Saeed Alnaqbi , Communication Center Representative, Knowledge Management & Innovation, Strategic Planning and Performance Management Sector, Abu Dhabi Municipality
10:40 - 11:00	Insights on the Precast Concrete Industry in Brazil	Eng. Iria Licia Oliva Doniak , fib Vice President, Executive President ABCIC Brazilian Association of Industrialized Concrete Construction, Brazil
11:00 - 11:20	Women's Contributions to Construction Technologies	Dr. Hunain Alkhateb , Associate Professor, Department of Civil Engineering, University of Mississippi
11:20 - 11:40	Student Raffle Draw*	
11:40 - 12:20	Session 2: Sustainability and Innovation Across Industries: Women Engineers Leading the Way in AI, Energy, Infrastructure, and Urban Design	
11:40 - 12:00	Role of IOT and AI in Food and Agriculture Sustainability	Dr. Huma Zia , Assistant Professor of Computer Engineering, Abu Dhabi University
12:00 - 12:20	Smart Energy Storage for Next-Generation Applications: An Overview on Li Batteries	Ms. Mehwish Khan Mahek , MSc in Mechanical Engineering Research Assistant and Student
12:20 - 12:40	Structural Design of Bridges and Sustainability in Concrete from the Experiences of a Female Engineer	Eng. Nouran Ahmed Elmessalami , Graduate Research Assistant at New York University, UAE
12:40 - 1:00	Sustainable Urbanism	Eng. Haram Ahmed Idriss , Chief Urban Planning Architect, Urban Planning, Town Planning Sector, Abu Dhabi Municipality
1:00 - 1:20	Use of Space Syntax in analyzing the urban structure of Yas Island in terms of accessibility and walkability in 2020 and 20230 master plans	Dr. Rim Meziani , Associate Professor of Architecture, Abu Dhabi University
1:20 - 1:40	Monitoring, data-informed safety assessment and risk-based maintenance of transport infrastructure	Dr. Agnieszka Bigaj-van Vliet , Senior Scientist at the Department of Structural Reliability of the Dutch Organization for Applied Scientific Research TNO
1:40 - 2:00	Day 2 Speakers Appreciation and Group Photo Forum Closing Remarks Student Raffle Draw*	
2:00 - 3:00	Lunch Break and Poster Presentations	

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