



THE CHAIRMAN AND MEMBERS OF THE LOCAL COUNCIL OF
THE INSTITUTION OF ENGINEERS PAKISTAN, KARACHI CENTRE
& IEP KARACHI CENTRE WOMEN ENGINEERS COMMITTEE

REQUEST THE PLEASURE OF YOUR COMPANY AT

SEMINAR ON
STEM
EDUCATION

THEME:

SCIENCE, TECHNOLOGY, ENGINEERING AND
MATHEMATICS (STEM) FOR A RESILIENT SOCIETY

ON

SATURDAY **7** SEPTEMBER 2024

5:00 – 7:00 PM

AT IEP KARACHI CONVENTION CENTER
IEP BUILDING, 5TH FLOOR, SHAHRAH-E-FAISAL
OPP: SIUT TRUST HOSPITAL
(FORMER REGENT PLAZA), KARACHI

R.S.V.P.

Engr. M. Farooq Arbi

Secretary, IEP Karachi Centre

Engr. Asfia Aleem

Chairperson, Women Engineers Committee

IEP Karachi Centre

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Meeting ID: 819 8563 9778

Passcode: 899430



PROGRAMME

- 5:00 PM - 5:05 PM **Recitation of the Holy Quran and National Anthem**
- 5:05 PM - 5:10 PM **Welcome Note by**
Engr. Dr. Majida Kazmi, Member Local Council, IEP, Karachi Centre
- 5:10 PM - 5:15 PM **Speech by**
Engr. Sohail Bashir, Chairman, Institution of Engineers of Pakistan, Karachi Centre
- 5:15 PM - 5:20 PM **Speech by**
Engr. Farhat Adil, President, Institution of Engineers of Pakistan
- 5:20 PM - 5:25 PM **A Message by**
Engr. Asma M Hashmi, Founder & CEO of JPCL Engineering
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- 5:25 PM – 5:05 PM **Speaker Sessions**
- 5:25 PM - 5:35 PM **STEM for All: Bridging Gaps in Underprivileged Areas**
Speaker: Ms. Sabeen Shah
General Manager Corporate Affairs, Sindh Engro Coal Mining Company
- 5:35 PM - 5:50 PM **Strengthening Industrial Linkages through STEM Education**
Speaker: Ms. Mariam Durrani
Director of Marketing and Brands, Pakistan Cables Ltd
- 5:50 PM – 6:05 PM **Inclusive Education: Empowering the Blind and Deaf through STEM**
Speaker: Ms. Nazia Kamal, HR Manager and accessibility coordinator,
Ida Rieu Welfare School for the Blind and Deaf
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- 6:05 PM - 6:35 PM **Panel Discussion 1:**
Challenges and Strategies for Producing High-Quality STEM HR
Focus: This discussion will explore how Pakistan can develop a high-quality STEM workforce by improving STEM education at all levels, particularly focusing on primary and secondary education.

Moderator: Engr. Dr. Majida Kazmi

Panelists:

- o Mr. Aftab Khan, Campus Head, Hira Foundation School
 - o Engr. Wardah, Co-founder, and Chief of Operations, UTech Digital Education
 - o Ms. Shahtaj Farooqi, Career Advisor, Beaconhouse College Programme
 - o Mr. Ali Raza, Director, Titan College of A levels
 - o Engr. Syed Muhammad Saad, Director of The Spreadhead Academy
 - o Mr. Muhammad Umair, STEM Manager, The Citizens Foundation
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- 6:35 PM – 7:05 PM **Panel Discussion 2:**
Bridging the Gap: STEM in Higher Education and Industry
Focus: This discussion will address the alignment of STEM programs in higher education institutions (HEIs) with industry needs, emphasizing the importance of industry-academia collaboration to enhance employability and innovation.

Moderator: Engr. Dr. Sadia Muniza Faraz

Panelists:

- o Engr. Sohail Bashir, Chairman, IEP, Karachi Centre
 - o Engr. Dr. Saad Ahmed Qazi, Dean ECE, NED University
 - o Engr. Dr. Sundus Ali, Assistant Professor - Dep. of Telecom, and Manager - BIC, NED University, Karachi
 - o Ms. Kanza Sohail, Faculty IBA - School of Business Studies
 - o Engr. Bushra Nadeem Mufti, Managing Director, Gravity Works Private Limited
 - o Ms. Mariam Durrani, Director of Marketing and Brands, Pakistan Cables Ltd
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- 6:05 PM **Closing Remarks by**
Engr. M. Farooq Arbi, Secretary, IEP Karachi Centre
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Look Forward To Welcome: IEP Karachi Centre Women Engineers Committee
Engr. Asfia Aleem, Engr. Prof. Dr. Shagufta Ishteyaque, Engr. Bushra Nadeem Mufti
Engr. Faiza Saeed, Engr. Samra Masood, Engr. Dr. Majida Kazmi, Engr. Sadia Muniza Faraz
Engr. Dr. Umm-e-Laila, Engr. Dr. Sundus Ali, Engr. Ifrah Asif, Engr. Dr. Amber Israr, Engr. Sara Khan