

International Conference on Technology Enabled Infrastructure Engineering and Management (TECH-IEM) organized by NED University held on 15th - 16th December 2023.

In Pakistan, health monitoring of the infrastructure systems and decision-making will now be conducted with the help of the Internet of Things, virtual reality, laser scanning and drones. This was stated by Dr. Sarosh Lodi, Vice Chancellor NED University at the two-day TECH-IEM conference Organized by NED University of Engineering and Technology in collaboration with CPEC Academic Research and Development Unit (CARDU) of Higher Education Commission, in collaboration with Institution of Engineers Pakistan Karachi Center, under its NED University Virtual Reality Center, collaborated by Neuro Computational Lab. The Conference was held at Mehmood Alam Auditorium, Ashraf Habibullah AV Hall, and Mechanical Hall. Patron-in-Chief of the Conference, Vice Chancellor of NED, Dr. Sarosh H. Lodi said that in through development of technology under CPEC research project currently being conducted at NED, Internet of Things (IOT), virtual reality, laser scanning and drones will be used for health monitoring of the infrastructure system and its related decision making.

On this occasion, Pakistan's Counselor to China for Science and Technical Affairs, Khan Muhammad Wazir highlighted the importance of technology for construction and maintenance of vast CPEC related infrastructure.

The keynote speaker of the conference was Dr. Naveed Anwar from Asian Institute of Technology.

Chairman IEP Karachi Center, Engineer Sohail Bashir was guest of honor alongwith, Pro vice Chancellor Prof. Dr. Muhammad Tufail, Dean CPL Prof. Dr. Asad ur Rehman. Focal Person/Co-Chair Conference Dr. Farrukh Arif emphasized the use of modern construction technologies during the construction and maintenance phase of the Infrastructure projects. Six technical sessions were conducted in the conference. Researchers from Australia, Spain, Italy, Turkiye, USA, and national experts presented their recent work on the subject of construction and technology. 28 papers were presented in the conference. In the closing session, Chairman Civil Engineering Professor Dr. Abdul Jabbar Sangi, keynote Speaker Prof. Dr. Mehmet Emre from the School of Construction and Design of America and other experts gave examples of smart maintenance and operations, laser scanning, automatic robots, drones, virtual reality, 5G and Internet of things, and how these technologies can contribute to improving the infrastructure industry, and help in increasing efficiency. They emphasized that with the help of technology in modern times, the overall construction and maintenance projects can also be improved in addition to comparing the construction performance. Conference Secretary Dr. Shamsoon Farid thanked the experts and audience at the end.