

**International Conference on Technology Enabled Civil Infrastructure
Engineering and Management (TECH-IEM)**
December 15-16, 2023, NED University of Engineering and Technology, Karachi, Pakistan
Conference Program – Day -1 Friday, December 15, 2023 – Inaugural Session

SESSION TIME	AGENDA
14:30 - 15:00	Registration and Seating
15:00 - 16:40	<p>Day -1 December 15, 2023 – Inaugural Session</p> <p>15:00 – 15:05 Recitation from the Holy Quran 15:05 – 15:10 National Anthem 15:10 – 15:20 Welcome Address and Conference Overview by Conference Chair Dr. Sarosh H. Lodi, Vice Chancellor, NED University 15:20 – 15:45 Keynote Address by Prof. Yi-Qing NI, Chair Professor of Smart Structures and Rail Transit, Civil & Environmental Engineering, Hong Kong Polytechnic University, Hong Kong. 15:45 – 16:00 CPEC Research and Development Initiatives by Chairman Higher Education Commission of Pakistan 16:00 – 16:10 Address by the Guest of Honor, Consulate General of China in Karachi 16:10 – 16:20 Address by the Chief Guest, Federal Minister Planning, Development and Special Initiatives, Government of Pakistan</p> <p>16:20 – 16:30 Presentation of Mementos 16:30 – 16:35 Vote of Thanks by Conference Co-Chair Prof. Dr. Asad Ur Rehman Khan, Dean CPL 16:35 – 16:40 Group Photograph</p>
16:40 - 17:00	Asr Namaz Break/Tea
17:00- 17:45	<p>Plenary Session- CPEC CRG Project</p> <ul style="list-style-type: none"> • Overview of Project Concept and Achievements: Prof. Dr. Asad Ur Rehman Khan • IoT Integration into Structural Health Monitoring of Civil Infrastructure – Prof. Dr. Saad Ahmed Qazi/Dr. Hashim
17:45 - 18:00	Maghrib Namaz Break
18:00- 19:00	<p>Panel Discussion: Challenges in Civil Infrastructure Development Management in Pakistan- Issues and Learning from International Experience</p> <p>National Panelists</p> <p>Expert Academician/Researcher – TBD Representative of Infrastructure Management Organization -TBD Expert Economist, TBD Expert Information Technologist, TBD</p> <p>International Panelists</p> <p>Prof. Dr. Xiao-Wei Ye, Institute of Transportation Engineering, Zhejiang University, Hangzhou, China. Prof. Dr. Mehmet Emre Bayraktar, School of Construction and Design, University of Southern Mississippi, USA. Dr. Uvais Ahmed Qidwai, College of Engineering, Qatar University.</p> <p>Moderated by: Dr. Farrukh Arif, Focal Person/Co-chair, TECH-IEM</p>
19:00- 20:00	Conference Dinner

TECH-IEM-2023 Conference Secretariat

NED University Virtual Reality Center

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**International Conference on Technology Enabled Civil Infrastructure
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**December 15-16, 2023, NED University of Engineering and Technology, Karachi, Pakistan
Conference Program – Day -2 Saturday, December 15, 2023 – Inaugural Session**

SESSION TIME	AGENDA
9:30 - 11:00	Parallel Technical Sessions Session 1: Infrastructure Asset Management Session 2: Structural Health Monitoring Session 3: Smart and IoT based Infrastructure Systems
11:00 - 11:30	Networking and Tea Break
11:30 - 13:00	Parallel Technical Sessions Session 4: Resilient Infrastructure Session 5: Virtual Digitization of Infrastructure Session 6: AI and ML for Infrastructure Systems
13:00- 14:00	Lunch and Prayer Break
14:00 – 15:30	Parallel Technical Sessions Session 7: Sustainable Cities and Communities Session 8: Decision-making and Decision Support Systems Session 9: Sustainable and Smart Materials
15:30- 16:45	Day -2 December 16, 2023 –Closing Session 15:30 – 15:35 Recitation from the Holy Quran 15:35 – 15:40 National Anthem 15:40 – 15:50 Conference Highlights Dr. Farrukh Arif , Conference Co-Chair, NED University 15:50 – 16:15 Keynote Address by Prof. Dr. Xiao-Wei Ye, Institute of Transportation Engineering, Zhejiang University, Hangzhou, China. 16:15 – 16:25 Address by the Guest of Honor, TBD 16:25 – 16:35 Address by the Chief Guest, TBD 16:35 – 16:40 Presentation of Mementos 16:40 – 16:45 Vote of Thanks by Conference Secretary Dr. Shamsoon Fareed 16:45 Group Photograph
16:45 – 17:00	Asr Prayer Break
17:00 – 17:30	Hi Tea

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