



## Corrosion Awareness Day

24<sup>th</sup> April 2021



### Event Schedule

- ✿ Corrosion Physical Model Competition
- ✿ Online Technical Session

**#stayathome**  
and disseminate corrosion awareness

*Organized By*

**NACE Islamabad Pakistan Section**

&

**Institute of Metallurgy and Materials Engineering**

University of the Punjab, Quaid-e-Azam Campus, Lahore, Pakistan

## Introduction

The World Corrosion Organization (WCO) holds Corrosion Awareness Day on 24<sup>th</sup> April every year. Worldwide many countries on this day, organize various activities to illustrate the detrimental effects of corrosion on everyday life, the economy and the environment, and to inform the public and industry, politicians and educational institutions of the solutions and necessary measures to combat corrosion. NACE International is one of the Founding Members of the WCO. The WCO is dedicated to working with the corrosion societies around the globe to raise awareness about the impact of corrosion and what can be done to address it. The WCO has recently released a study that reveals the supreme importance of corrosion control in everyday life. In the public, industry and government are usually recognized only if any incident occurs drastic form due to corrosion attack like any bridge collapse or a pipeline leak or explosion occurs. Thus, there is a significant need for increasing awareness of corrosion as a phenomenon and as a risk associated with it. According to many studies the direct cost of corrosion in industrialized countries amounts to three to four percent of the GDP. These studies have also shown that it is not only the costs that represent a significant impairment in the national economics, safety, quality of life but also health risks are at play all over the world, including those countries that are less industrialized. Such studies have also shown that one-third of drinking water is wasted on its passage from the source to the consumer due to the corrosion of water supply systems. Also, public infrastructure may get damaged by corrosion with disastrous consequences on the safety of the bridges, road structures, underground pipelines, buildings and flow of air traffic are also subject to the adverse effects of corrosion. In order to create this awareness and break the myth that nothing could be done against the attack of corrosion activities are organized by the NACE Islamabad Pakistan Section in collaboration with the Institute of Metallurgy and Materials Engineering, University of the Punjab, Lahore, Pakistan

### **NACE Islamabad Pakistan Section**

NACE International, The Worldwide Corrosion Authority is a nonprofit organization, was established in 1943 as the “National Association of Corrosion Engineers. NACE serves nearly 36,000 members in over 130 countries and is recognized globally as the premier authority for corrosion control solutions. The organization offers technical training and certification programs, conferences, industry standards, publications, technical journals and more. NACE equips society to protect the environment, people and assets from the adverse effects of corrosion. NACE Islamabad Pakistan section was registered with NACE International since 2004 to develop & sensitize industry /public at large about the adverse effects of corrosion. NACE Islamabad Pakistan Section officers are elected every year and work voluntarily. Presently we have 65 NACE members and our activities are focused on holding on technical sessions, seminars, training's, etc. at regular intervals. These activities have been covered in East Asia and Pacific Area (EAPA) newsletter and Material Performance of NACE International and the present body of officers was elected through electronic voting arranged by NACE International.

### **Institute of Metallurgy and Materials Engineering**

Institute of Metallurgy and Materials Engineering, University of the Punjab, Lahore has been active in the advancement of critical technologies, the application of which would benefit the industrial sector of Pakistan. In the institute, corrosion engineering is taught at undergraduate and graduate levels. It has Corrosion Control Research Lab which is equipped with sophisticated equipment related to corrosion and is available to assist local and foreign companies in identifying/resolving corrosion related problems.

The institute offers two specialized courses (advance and fundamental levels) every year in which professionals, technologists, technicians, managers from the corrosion industry participate in these courses to develop technical knowledge about the phenomena. The institute also conducts lectures, technical presentations, seminars, and conferences for the benefit of the students.

## Corrosion Physical Model Competition

**Description of Event:** As per Corrosion Awareness Day, an event titled *Corrosion Physical Model Competition* is planned to develop a better understanding for students at graduate and undergraduate level from different universities as over the world. The corrosion/inspection professional working in the field can also participate. The aim is to develop physical model of corrosion prevention methods, this will help the participant to understand the different components used in the corrosion mitigation. The submission shall include the photograph/s and along with short video about the physical model. A panel of experts shall review the submission and grade the submission. The top three participants shall receive cash prize and certificates. The event shall be conducted jointly by the NACE Islamabad Pakistan Section and Institute of Metallurgy and Materials Engineering, University of Punjab, Lahore, Pakistan.

### Registration

Firstly, register yourself by filling the online registration form on the following link before 16<sup>th</sup> April 2021:

[https://docs.google.com/forms/d/e/1FAIpQLSd8Amzju9-JE6Jg7eHsAFm4GlX0cdjz2ubRJgeeIEaUbgmcCg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSd8Amzju9-JE6Jg7eHsAFm4GlX0cdjz2ubRJgeeIEaUbgmcCg/viewform?usp=sf_link)

After filling that registration form, you will receive the rules of the rubrics competition through email.

### Late Date of Submission

20<sup>th</sup> April 2021

### Who should participate?

- Undergraduate students of different schools/universities
- Corrosion and Inspection Engineers/Professionals

## Online Technical Session

**Description of Event:** As per Corrosion Awareness Day, an event titled *Online Technical Session* in which invited corrosion professionals from all over the world presented and disseminate knowledge about the corrosion mitigation. This session shall go a long way in enhancing/broadening technical expertise, provide an opportunity to link up with other professionals to exchange information and network with local and foreign corrosion community. The event is part of World Corrosion Awareness Day program and shall be conducted jointly by the NACE Islamabad Pakistan Section and Institute of Metallurgy and Materials Engineering, University of Punjab, Lahore, Pakistan.

### Registration

Firstly, register yourself by filling the online registration form on the following link before 22<sup>nd</sup> April 2021:

[https://docs.google.com/forms/d/e/1FAIpQLSd8Amzju9-JE6Jg7eHsAFm4GlX0cdjz2ubRJgeeIEaUbgmcCg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSd8Amzju9-JE6Jg7eHsAFm4GlX0cdjz2ubRJgeeIEaUbgmcCg/viewform?usp=sf_link)

After filling that registration form, you will receive the online access of the session.

### Who should participate?

- Undergraduate students of different schools/universities
- Corrosion and Inspection Engineers/Professionals

## Information

For any further information for the events or registration please contact the focal person:

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