

#4 MISIF/NI/IMOA WEBINAR



PLANNING FOR DISASTER: STAINLESS STEEL RESILIENT DESIGN

by
MS CATHERINE HOUSKA

SYNOPSIS

Resilient design has become critical as the frequency and magnitude of natural and human-induced disasters has increased. Unless the risk of catastrophic events is short term, the system should also retain its' structural and functional integrity during years of standard service but not all materials are both resilient and sustainable. The contribution of stainless steel's inherent properties to resilient design will be reviewed and case study examples provided, including its' ability to absorb energy (i.e. blast, impact, seismic events, landslide), use in flood and water control barriers, fire performance, and high wind loading. The role of appropriate alloy selection from the standpoint of corrosion performance will be briefly reviewed as will the new AISC 370-21 and revised ASCE 8-22 structural design standards for stainless steel.

ABOUT SPEAKER



Ms. Houska is an internationally recognized expert on architectural and structural metals, speaker and author of over 200 publications. She consults internationally for some of the world's most well-known architectural and engineering firms as well as for building owners, metal finishing firms, producers and fabricators. She is a long-term member of the US Green building Council (USGBC LEED) and chairs ASTM's General Sustainability Standards and participates in the ASTM E54 Homeland Security standards. Her structural standards experience includes helping to revise ASCE/SEI 8 and develop the new AISC 370 structural design standard. Ms. Houska has written numerous publications about the topics of this presentation.

Catherine is President of Catherine Houska Consulting LLC in Pittsburgh, Pennsylvania. She holds a BS in Metallurgical Engineering & Materials Science from Carnegie Mellon University and a MBA from Case Western Reserve University and has received multiple national and regional Technical Awards from the Construction Specifications Institute for her contributions to the industry.

REGISTRATION FORM

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Date:
27 September 2022
(Tuesday)

Time:
10.00 am – 11.30 am

COMPLIMENTARY

Organised and Supported by:

About MISIF

The Malaysian Iron & Steel Industry Federation (MISIF) is the national association representing the iron and steel manufacturing companies of Malaysia. Among its many activities, MISIF provides subsector group management and in this instance, this workshop is to support promotional activities of the MISIF Stainless Steel Group.

About NI

Nickel Institute (NI) is the global association of most of the world's primary nickel producers. The NI supports and grows markets for new and existing nickel applications which naturally includes stainless steel. NI also promotes good science, asset management and socioeconomic benefit as the basis for public policy and regulation.

About IMOA

The International Molybdenum Association (IMOA) is a nonprofit trade association, representing the majority of the molybdenum industry worldwide. IMOA promotes appropriate molybdenum use through education, publications and targeted research projects. It also seeks to ensure appropriate regulation of molybdenum and its compounds, based on sound science.

INTERNATIONAL MOLYBDENUM ASSOCIATION
THE VOICE OF THE MOLYBDENUM INDUSTRY



SCAN to register

CLOSING DATE: 26 SEPTEMBER 2022

The organizer reserves the right to cancel, reschedule, postpone or amend the date due to unforeseen circumstances.