

#3 MISIF/NI/IMOA WEBINAR



STAINLESS STEEL: SELECTING THE RIGHT GRADE by DR GRAHAM SUSSEX

SYNOPSIS

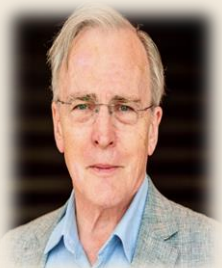
Stainless steels have been around for more than 100 years, but many experienced users still have only a hazy idea of the important differences between the corrosion resistance of various grades. Just as importantly, selecting a specific material depends on the mechanical or physical properties you need. The webinar will cover why stainless steels are corrosion resistant in a variety of immersed and atmospheric environments including application of the IMOA/ASSDA model of selecting for atmospheric corrosion resistance.

KEY TOPICS:

- **Why stainless steels are corrosion resistant**
- **Choosing the stainless family:** Before looking at corrosion resistance
- **Factors affecting your choice:**
 - Environment
 - Availability and cost
 - Design and processing requirements
 - Specific mechanical or physical properties
- **What standards do not tell you about your stainless steel**
- **Estimating corrosion resistance using PRE**
- **Water with chloride, temperature, and pH variations**
- **Burial of stainless steel:** A very brief outline
- **Effects of crevices, finish, and chemical or electrochemical treatments**
- **The IMOA model for atmospheric service:** Multiple pathways to success

This summary outlines the critical aspects and key topics that will be covered in the webinar.

ABOUT SPEAKER



Dr Graham Sussex has worked in the corrosion industry since 1979 both in the UK and Australia. For the last 21 years he has consulted to ASSDA and the NI on the proper use of corrosion resistant alloys including multiple failure investigations – often caused by lack of knowledge.

Date:

~~10th October 2024~~

21 November 2024

(Thursday)

Time:

10.00 am – 11.30 am

(Kuala Lumpur Time)

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



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CLOSING DATE: 20 NOVEMBER 2024

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