

# HERA

**Auckland**

10 November 2026  
1:00 pm to 4:30 pm

## **Welding of Stainless Steel *Seminar***

AS/NZS 1554.6 and ASME B31.3

**Hamilton**

11 November 2026  
1:00 pm to 4:30 pm

### **Seminar Overview**

This technical seminar provides a practical overview of welding stainless steels to AS/NZS 1554.6 and ASME B31.3, with a focus on applications in pressure equipment, piping, hygienic services and structural assemblies. It is intended for engineers and fabricators involved in design, fabrication, inspection and qualification, and addresses standard interpretation, weld procedure qualification and common compliance challenges in New Zealand projects. Key topics include material selection, welding metallurgy, qualification requirements, quality assurance, post-weld cleaning and the application of Welding Procedure Specifications (WPS).

This seminar is brought to you by HERA in collaboration with the NZ Stainless Steel Development Association (NZSSDA).



# Seminar Programme

**13:00** Introduction by Michail Karpenko

Welding of stainless steel – general considerations (PF)

- Stainless steel families and weldability
- Surface and cleaning including post-weld cleaning

AS/NZS 1554.6 overview (PF)

- Scope, application and limitations
- Material groups and joint categories
- Qualification requirements for welders and procedures
- Inspection and acceptance criteria

ASME Section IX overview (CR)

- Procedure and performance qualification fundamentals
- Essential, supplementary and non-essential variables
- Differences relative to AS/NZS qualification approaches

ASME B31.3 overview (CR)

- Applicability to process piping systems
- Fabrication, examination and testing requirements
- Interaction with ASME Section IX

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**HERA and NZSSDA members: \$350 + GST**

**Non-members: \$450 + GST**



# Seminar Programme

## WPS application examples (PF & CR)

- Typical WPS structures and key parameters
- Mapping WPSs to project specifications and codes
- Common pitfalls in stainless steel WPS development

## Quality assurance and quality management (CR)

- Documentation, traceability and compliance
- Role of inspection and test plans
- Managing welding quality in production environments

## Case studies (TBC)

- Practical examples from New Zealand and international projects – invite seminar attendees to provide example of real-life situations to discuss on the day

**16:30** Seminar close

## Who Should Attend

This seminar is aimed at engineers, fabricators, welding coordinators and inspectors involved in the design, fabrication, qualification and quality assurance of welded stainless-steel structures and piping systems. It will also be relevant to specifiers, asset owners and suppliers working with projects requiring compliance with AS/NZS 1554.6 and ASME B31.3.

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