



SUPPORTED BY



STAINLESS STEEL IN WATER TREATMENT PLANT: A WORKSHOP

**24 October 2016
(Monday)
0830 to 1700 Hrs**

**6 PDUs by Professional Engineer Board (PEB)
CPD Programme**

INTRODUCTION

The need for alternative water solutions has increased over the past few years, as natural rain reserves fall victim to drought conditions and increasing populations

As new water sources, water treatment plant and feeder systems are planned, the role stainless steel is substantial due to its tough, durable and cleanable characteristics. It is used in the collection, treatment and distribution stages as well as the plumbing and building services before the final wastewater, sewage and even recycling systems. With these multiple applications, it is critical to understand the material and its uses to maximise the return on investment.

For these reasons, the Singapore Welding Society, with the support of the Nickel Institute (NI) and the International Molybdenum Association (IMOA), is pleased to present this workshop.

ABOUT NICKEL INSTITUTE

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 non profit 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.

LEAD SPEAKER'S PROFILE

DR. DAVID NICHOLAS



Dr David Nicholas is the principal of Nicholas Corrosion Pty Ltd, a consultancy firm specialising in corrosion and materials engineering issues in the Water Industry. David has over 35 years' experience in this industry working for both Hunter Water Corporation and Hunter

Water Australia for much of this time. He is a former President of the Australasian Corrosion Association, holder of their Corrosion Medal, and a Life Member of the Association.

SUPPORT SPEAKER'S PROFILE

DR. GRAHAM SUSSEX



Dr Graham Sussex has been Technical Specialist for ASSDA (the Australian Stainless Steel Development Association) since 2001.

He has consulted on materials and corrosion issues since 1985. His ASSDA role includes technical advice, presentations and publishing articles. He has an advisory and presentation role for NI in SE Asia.

STAINLESS STEEL IN WATER TREATMENT

The seminar is about the water industry and the places for and handling of stainless steels from water treatment plant through distribution to waste water treatment including:

1. Behavior of metals in waters and some common misconceptions
2. Water sourcing from dams to desalination and water treatment plant
3. Distribution from underground to high rise buildings
4. Wastewater plants, recycling and the demands on materials
5. Design, fabrication and welding issues for structures and pipework – including purging considerations
6. Multiple applications including Australian examples across the industry, short response operation of a desalination plant plus tea staining and its control.

DATE, TIME, VENUE & FEE

Date: 24 October 2016 (Monday)

Time: 8:30 am – 5:00 pm

Venue: Furama City Centre Hotel
60 Eu Tong Sen Street S(059804)

Fee SGD\$350.00 per person
(include 7%GST)

The fees include admission to the
Workshop / Refreshments & Lunch

REGISTRATION FORM

E1) 24 Oct 16 – Stainless Steel in Water Treatment

E2) 26 Oct 16 – Stainless Steel & Nickel in Petrochemical Industry

Pricing Table	SGD
Early Bird Discount!!! before 30 Sept - book 1 single event	320.00
Early Bird Discount!!!! before 30 Sept - book 2 events together	560.00
After 30 Sept – book 1 single event	350.00
After 30 Sept – book 2 events together	600.00

Name1 (Mr / Ms) : _____
 Designation : _____
 Name2 (Mr / Ms) : _____
 Designation : _____
 Name3 (Mr / Ms) : _____
 Designation : _____
 Name of Co. : _____
 Contact Person : _____
 Address: _____

 Email add: _____

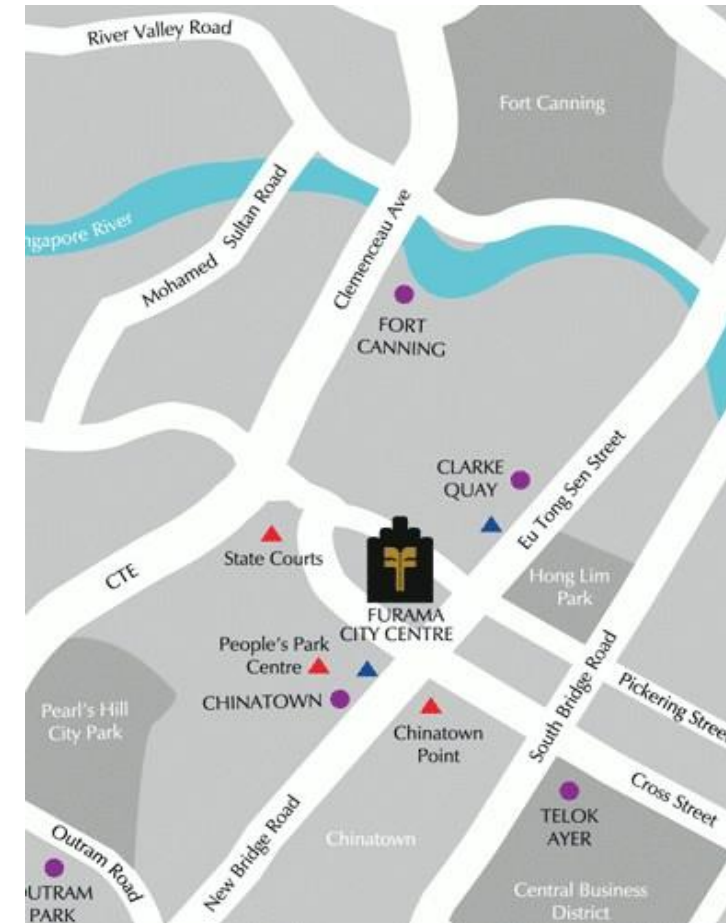
To register, please fill in the Registration Form above and fax to **6274 4055**, or e-mail it to secretariat@sws.org.sg by **10 October 2016 (Monday)**

All cheques should be made payable to:
“SINGAPORE WELDING SOCIETY” and accompanied by a copy of the completed filled-in registration form to the following address:

Singapore Welding Society
 Block 1003 Bukit Merah Central #04-16 Singapore 159836 (**Attention:** Ms Melissa Ng / Ms Marion Ng)

Please contact 65 6779 7706 for more information.

LOCATION MAP OF FURAMA CITY CENTRE HOTEL, 60 Eu Tong Sen Street S(059804)



**6 PDUs by Professional Engineer
 Board (PEB)
 CPD Programme**