

## WTIA NATIONAL DIFFUSION NETWORKS PROJECT

With the help of a Federal Government grant and support from Industry and State and Territory Governments, the WTIA launched the WTIA National Diffusion Networks Project (NDNP).

The Project involves the implementation of a structured welding and joining technology demonstration and improvement program for the Alumina, Building & Construction, Defence, Inspection & Testing, Medical Devices & Sensors, Mining, Petro-Chemical, Pipeline, Power Generation, Pressure Equipment, Rail, Road Transport and Water Industries.

The sectoral strategy involves the WTIA working directly with leading Australian firms, SMEs, supply chains and technology specialists in the OzWeld Technology Support Centres (TSCs).

The NDNP acts as an umbrella encompassing the OzWeld TSC Network consisting of over fifty local and overseas organisations contributing appropriate and leading-edge technologies to assist Australian industry.

For further information about the Project please contact Chris Smallbone at the WTIA Tel: +61 (0)2 9748 4443, Fax: +61 (0)2 9748 2858

Visit our website <http://www.wtia.com.au>

### COURSE PROUDLY SUPPORTED BY THE WTIA NATIONAL DIFFUSION NETWORKS PROJECT SPONSORS



## REGISTRATION FORM

The Education & Training Administrator, WTIA Federal Office  
 PO Box 6165, SILVERWATER, NSW, 1811  
 Phone: 02) 9748 4443 Fax: (02) 9748 2858  
 EMAIL: [events@wtia.com.au](mailto:events@wtia.com.au)  
 WTIA ABN 69 003 696 526

Surname: \_\_\_\_\_

First Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Suburb: \_\_\_\_\_ State: \_\_\_\_\_ PC: \_\_\_\_\_

Email: \_\_\_\_\_

Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

Tick here if you do not wish any photograph taken of you during the course to be published by the WTIA

Tick here if you have any specific dietary requirements

### METHOD OF PAYMENT

Please ensure all details below are filled correctly. All payments should be made payable to WTIA.

Cheque  MasterCard  Visa

Cardholders Name: \_\_\_\_\_

Expiry Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Amount \$ \_\_\_\_\_

Card No: \_\_\_\_/\_\_\_\_/\_\_\_\_/\_\_\_\_/\_\_\_\_/\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

### FEES

\$990 WTIA Members \$1,210 Non Members

Membership Type & Number: \_\_\_\_\_

Fees include coffee/tea, lunch, course notes and 10% GST

### VENUE

Please indicate your venue from the list overleaf. Exact location will be confirmed upon registration.

Venue: \_\_\_\_\_ Dates: \_\_\_\_\_

### IMPORTANT NOTICE

Note: For cancellations received within 5 working days of a course, 100% of the fees will be charged. Replacement delegates may be sent in lieu of those cancelled. WTIA reserves the right to cancel courses due to insufficient registrations or other reasons beyond their control. Confirmation of bookings will be sent to delegates upon registration. WTIA also reserves the right to refuse registrations.



## ~OZWELD SCHOOL OF WELDING TECHNOLOGY~

Fact Sheet SWT-25

# 3-Day Course SWT-25 WELDING TECHNOLOGY APPRECIATION FOR ENGINEERING PERSONNEL



Public Courses  
 March – November 2009

## INTRODUCTION: SWT-25

Industry is finding it increasingly important to control the fabrication, construction, maintenance and repair costs of their plant. Knowledge of welding and associated fabrication technology is vital to achieve such control.

Many companies are utilising short, focussed training courses for employees to expand their technical capabilities.

WTIA has developed course SWT-25 in welding technology. It provides technical personnel understanding in the design, specification, fabrication, inspection and testing of fabricated structures.

Course SWT-25 provides personnel with an appreciation of how to specify, manage and control construction and maintenance projects from a welding and materials perspective.

In order to provide the highest delivery standards attendance is limited to a maximum of fifteen individuals.

The course is suitable for technical personnel including Designers, Draughtsmen, Production and Workshop Managers, Project Managers, Quality Managers and Engineers.

### CAREERS IN WELDING TECHNOLOGY

Careers in Welding Technology follow an internationally prescribed training and qualification scheme catering for welders through to specialists, inspectors, technologists and engineers.

Contact Bushan Salunke for further details on career paths. Tel: 02 9748 4443 or email [b.salunke@wtia.com.au](mailto:b.salunke@wtia.com.au)

## CONTINUING PROFESSIONAL DEVELOPMENT

Certificates of attendance will be issued to each delegate providing evidence of Continuing Professional Development.

### COURSE NOTES

Each delegate will be provided with a full set of course notes.

### COURSE PRESENTERS

WTIA course presenters are International Welding Engineers or Technologists with many years of experience. The course has been designed to provide an interesting and stimulating industrial perspective.

### VENUES & DATES

Perth, WA  
30 June, 1 & 2 July 2009

Adelaide, SA  
21, 22 & 23 July 2009

Newcastle, NSW  
28 – 30 July, 2009

Mackay, QLD  
11, 12 & 13 August 2009

Sydney, NSW  
18, 19 & 20 August, 2009

Gladstone, QLD  
6, 7 & 8 October 2009

Brisbane, QLD  
27, 28 & 29 October 2009

Perth, WA  
24, 25 & 26 November 2009

## COURSE SYLLABUS

### DAY 1 (08:30 – 17:00)

#### Welding Processes & Metal Fabrication

- Welding Terms and Definitions
- Introduction to Welding Processes
- Welding Process Selection
- Welding Symbols
- Distortion and Residual Stress
- Welding Power Sources
- Welding Defects
- Non Destructive Testing

### DAY 2 (09:00 – 17:00)

#### Metallurgy & Weldability

- Introduction to Metallurgy & Weldability
- Alloy Steels
- Stainless Steels
- Quenched and Tempered Steels
- Cast Irons
- Aluminium Alloys
- Wear and Hard Facing

### DAY 3 (09:00 – 17:00)

#### Designing against Failure

- Brittle Fracture
- Corrosion
- Fatigue Failure
- Creep Damage
- Codes and Standards
- Welding Documentation
- Quality Assurance in Welding
- Health and Safety

### IN-HOUSE COURSES

The course can be tailored to meet your specific company needs and delivered at your own venue. Contact Ben Gross at WTIA ([b.gross@wtia.com.au](mailto:b.gross@wtia.com.au)) for further information.