TWI NORTH ARC WELDING DEMONSTRATION DAY

28 NOVEMBER 2019, TWI TECHNOLOGY AND TRAINING CENTRE – NORTH EAST, MIDDLESBROUGH

Meet the Experts:

Opportunity for one-to-one 15 minute meetings with TWI experts. Scroll through this document to learn more about each of the topics below.

- Arc welding know-how and challenges
- Manufacturing and fabrication
- Robotics and process automation
- Welding fume and EMF
- Welding Control Standards EN 1090 and ISO 3834
- FREE support for Tees Valley businesses
- Industrial Membership of TWI

How to book:

Email sarah.mccarthy@twi.co.uk with a list of experts you would like to see, a short explanation of your company, area of interest and any specific information that will be helpful prior to the discussion.

Arc Welding, Engineering and Fabrication

Arc Welding, Engineering and Fabrication

Topics can include process / procedure qualification, eliminating defects, quality, codes and standards or any other challenges you face. Issues can be practical, shop floor or engineering.

Expert: Glenn Allen, Welding Engineer

Glenn has over 30 years of experience in welding and fabrication, having worked across a broad range of industry sectors supporting SMEs and large companies with technical assistance and troubleshooting. Knowledge and expertise includes: Welding engineering, welding procedures and testing, arc welding processes (particularly SAW), fabrication processes, materials.

glenn.allen@twi.co.uk

Expert: Shaun Smart, Welding Engineer

Shaun has worked across many industry sectors, having begun his career with a welding apprenticeship. In his 10 years with TWI Shaun has provided technical support to both SMEs and large companies. Knowledge and expertise includes: Welding engineering, fabrication, welding quality, and process development and implementation.

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Welding Fume, EMF, Robotics and Process Automation

Welding Fume - How to comply with UK regulations, what steps should I be taking, how can my business benefit?

EMF Regulations - Overview of the regulations, how to comply.

Robotics and Process Automation - What are the options, benefits.

Expert: Geoff Melton, Technology Manager

Chairman of IIW Commission VIII, 'Health, Safety and the Environment.' Geoff has worked in welding research for nearly 40 years. As well as chairing IIW Commission VIII he is also the chair of CENELEC TC26 on electric welding equipment.

Geoff was instrumental in the creation of a working group set up between IEC and ISO to write a new series of international standards for arc welding equipment (IEC 60974). This led to developing standards for electromagnetic compatibility (EMC) and the health effects of exposure to electromagnetic fields (EMF) in welding.

At TWI, Geoff leads a wide portfolio of research projects - from welding fume to automated welding process developments for low/zero emission automotive applications.

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Welding Control Standards EN 1090 and ISO 3834

Welding Control Standards EN 1090 and ISO 3834:

Why do customers specify these standards?

Is compliance mandatory?

How can certification benefit my business?

What do I need to do to prepare my company for assessment?

How is assessment done?

How long is the assessment process and how much will it cost?

Who will perform the assessment?

Why is a Responsible Welding Coordinator (RWC) needed, and how do you to become an RWC?

Expert: Chris Eady, Chief Executive, TWI Certification Ltd

Chris is the Scheme Manager for all TWI Certification Ltd Company Certification schemes. He is a Chartered Engineer with extensive experience in management of safety critical systems and conformity assessment for compliance with regulations and standards. He is the decision-maker for CAESAS/EN 1090 and WFCS/ISO 3834 certification.

chris.eady@twi.co.uk

FREE Support for Tees Valley Businesses

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Technical support, individually tailored to your requirements can be used to:

Troubleshoot production problems, increase productivity and reduce costs, as well as supporting progress with quality and certification, exploring more effective technologies and processes, new materials and improved design, and accelerating innovation to bring new products to market.

And covers:

All welding and materials joining processes and allied technologies.
All engineering materials – metals, composites, plastics, etc.
All areas of engineering and manufacturing - including quality, welding procedures, inspection, NDT, coatings and surfacing.

Meet Nick to discuss:

How can TWI support your business with up to seven days' FREE support.
Specific technical challenges and brainstorm potential areas.
Check company eligibility.

Expert: Nick Elbourn, Manager – Materials Integrity Technology Transfer Project

Twenty years of helping North East companies to benefit from TWI's Technology Transfer projects, leading to 500 new jobs and more than £30M of new turnover.

TEES VALLEY COMBINED AUTHORITY

European Union
European Regional Development Fund

Industrial Membership of TWI

Industrial Membership of TWI

"TWI is a membership-based organisation, supporting both individuals and companies alike. We exist to provide authoritative and impartial expert advice, knowhow and safety assurance through engineering, materials and joining technologies – helping you design, create and operate the best products possible."

Discuss how Membership can support your business:

- Benefits of TWI Membership
- Specific technical need/s

For existing Members:

- How do I make the most of Industrial Membership
- How can TWI support my current objectives and challenges?
- Update your company information

Expert: Andy Woloszyn, Group Manager - Industrial Membership Services

Andrew has a background in welding engineering; having worked with arc, laser and resistance welding processes during his time at both TWI and Jaguar Land Rover. He has a good understanding of how Industrial Members can make the best use of TWI resources and expertise.

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