

RESURGAM

WEBINAR CYCLE

FRICTION STIR WELDING PROCESS DEVELOPMENTS IN STEEL

Join us online to learn about the latest developments in the **friction stir welding of steel**, both in air and under water, hear about the properties of welds made by friction stir and assess the potential advantages of **FSW** for your organization.



October 18th
15H00 EST



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PROGRAM

- 01 FSW Invention and historical context
- 02 Existing aluminium applications
- 03 The Challenge of steel FSW
- 04 Properties of friction stir welded steel
- 05 Welding under water

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The webinar will introduce the basic concepts of friction stir welding and provide a few examples of how it is a well proven joining technique already in widespread use for fabricating aluminium. The challenges of transferring the technology to steel will be discussed and an explanation given of how they have been overcome, providing a new steel fabrication technique that offers the potential to make strong, tough, fatigue resistant welds in both air and under water.

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The webinar will be presented by **Stephen Cater FRIN MEI ARINA AWeldi**, Principal Project Leader at **TWI Ltd**, who has been developing the process of friction stir welding in steel for the **RESURGAM** project.

A metallurgist by training, and winner of the Richard Weck Award for his work on steel FSW, Stephen has worked on FSW for 15 years. As part of the RESURGAM project, he leads the technical development programme for transferring the technology from aluminium into steel, and for developing the capability to friction stir weld steel under water.

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