

# Tim Stotler

## Technology Applications Leader



### PROFESSIONAL EXPERTISE

Tim Stotler provides senior-level technical oversight in the execution of large, complex, multi-discipline projects at EWI. He delivers seasoned guidance and stewardship to technically diverse and challenging client needs.

For more than 30 years, Tim has been responsible for designing, conducting, and reporting on friction welding and friction stir processes at EWI. He has vast expertise in resistance welding with an emphasis on projection welding, resistance butt welding, and flash-butt welding. Much of his work has included developing processes for particular customer applications, and has ranged from tooling, machine building and modification, and process robustness analysis to shop floor implementation. These practices have been used on a wide range of materials including aluminum alloys, steels and stainless steels, titanium alloys, nickel alloys, and many different dissimilar alloy combinations.

In the 1990s, friction stir technology was added to EWI's suite of solid-state welding capabilities. Since that time, Tim has applied friction stir welding to numerous products for both commercial and military applications.

### BACKGROUND AND PROJECT EXPERIENCE

Tim has extensive experience in applying resistance and solid-state welding to address clients' challenges. After time as Project Engineer, he worked as Operations Manager and then Program Manager, overseeing various operational and programmatic issues for both commercial and government projects. During his long career at EWI, Tim has managed nearly 400 projects. He holds several patents in the friction and friction stir welding areas, and has authored chapters for two industry handbooks, one for the American Society for Metals and one for the American Welding Society (AWS). He is the recipient of multiple EWI Star Awards for stellar customer service.

### EDUCATION

B.S. Welding Engineering, The Ohio State University

### PROFESSIONAL AFFILIATIONS

AWS

- C6 Committee on Friction Welding; Former Chairman, Vice-Chairman, and Subcommittee Member
- Member D17 and D17.3 FSW of Aerospace Materials



1250 Arthur E. Adams Dr.  
Columbus OH 43221  
614.688.5000  
[ewi.org](http://ewi.org)