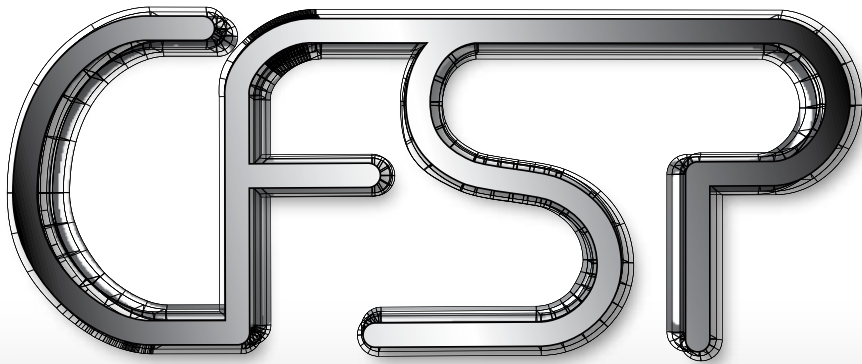


Join Us This Summer for a TMS Continuing Education Course:



FUNDAMENTALS OF
**FRICION STIR
WELDING AND
PROCESSING**
TMS

CENTER FOR **FRICION STIR PROCESSING**

June 9-11, 2013 • University of North Texas • Denton, Texas

Course Description

Friction stir welding (FSW) was invented by TWI, Cambridge, UK and patented in 1991. In the last twenty years, the research community has made significant advances in understanding of the process, and numerous industrial applications have been taken to full implementation. During the same period friction stir processing (FSP) has been developed in parallel with FSW, and essentially employs FSW tooling to perform local thermomechanical treatments rather than to make joints. The scientific and technical literature is rich with information on joining of aluminum, steel, titanium, magnesium, metal matrix composites, and even superalloys as well as generic information on process fundamentals.

The goal of this TMS short course is to provide participants with the essence of the accumulated friction stir welding (FSW)/friction stir processing (FSP) knowledge: both fundamental and practical. This course is designed to provide a basic understanding of the process and the linkage to performance by introducing aspects from basic process design, controls, tools, and metallurgical aspects. The course will culminate with a demonstration and discussion of how various elements of the course link together.

Learn More

To learn more about the objectives and curriculum and to sign up for this limited-seating event, visit the course website today at: **www.tms.org/FSW13**

