Superalloy Joining Research Facilities

Provided Courtesy of Materials Technology@TMS

For additional resources, visit
http://www.materialstechnology.org

The following are links to research facilities with efforts in the joining of superalloys.
Click on Submit a Resource on Materials Techology@TMS to add more weblinks

GROUP	RESEARCH FACILITY	WEBLINK	DESCRIPTION
Materials Joining Group (includes S. A. David & J. M. Vitek)	Oak Ridge National Lab	Launch Website	The group's projects range from the fundamental aspects of welding, including modeling of processes to applied technology. Expertise includes residual stress measurements, weldability testing and characterization, process & filler metal development, friction stir welding and brazing of metals to ceramics.
Materials Division - Advanced Metallics Group (includes Frank Ritzert)	NASA Glenn Research Center	Launch Website	The Advanced Metallics Branch has expertise in microstructural characterization, processing (including joining), property measurement, material selection and life prediction. Facilities for welding and joining include a resistance spot and projection welder, gas tungsten arc welder, gas purged and vacuum purged welding chambers, furnace brazing system and hot press diffusion welding system.
Materials Joining Experts	Edison Welding Insitute	Launch Website	EWI is an engineering and technology organization in North America dedicated to the research and development of materials joining. They provide materials joining assistance, contract research, consulting services and training to the aerospace, automotive, government, energy and chemical, heavy manufacturing, medical and electronics industries.