

H. Robert Welge Publications—

Selected publications (National Conferences):

- “SCAMP: Supersonic Passenger Transport Transonic Acceleration Flight Profiles with Considerations of Focused Sonic Boom”, (Co-Author) AIAA Paper 2013-1065, January 2013
- “SCAMP: Superboom Caustic Analysis and Measurement Project Overview”, (Co-Author) AIAA-2013-0930, January 2013
- “Supersonic Vehicle Systems for the 2020 to 2035 Timeframe”, (Co-Author) AIAA Paper 2010-4930, Presented at the 28th AIAA Applied Aerodynamic Conference, Chicago, Illinois, June 2010
- “Regional Jet Operational Improvements Resulting from Short Field Performance and Design”, (Co-author) AIAA Paper 2003-2891, Presented at the AIAA/ICAS International Air and Space Symposium and Exposition: the Next 100 Years, Dayton OH, July 2003.
- “The Status of the Industry/NASA HSCT Program in the United States”, (Co-Author) Presented at SAE Aero Tech 93, September 1993.
- “Civil Aircraft Challenges in Engine/Airframe Integration”, (Co-Author) ASME 92-GT-45, June 1992.
- “Engineering Status of the McDonnell Douglas HSCT Program”, (Co-Author) SAE Paper 912215, September 1991.
- “HSCT Aerodynamic Technology for Enhanced Economic Viability”, (Co-Author) SAE Paper 901924, October 1990.
- “Computational Fluid Dynamic Design Applications at Supersonic/Hypersonic Speeds”, Applied Computational Aerodynamics, Edited by P. A. Henne, Progress in Astronautics and Aeronautics, Vol 125, AIAA, Washington D. C., 1990, pp 817-838.
- “Aerodynamic Technology Opportunities for a High Speed Civil Transport”, SAE Technical Paper Series 881354, October 1988
- “Ultra High Bypass Engine Applications to Commercial and Military Aircraft”, (Co-Author) SAE Paper 861720, October 1986
- Analytical and Experimental Study of a Complex 3-D Inlet for Turboprop Applications”, (Co-Author) AIAA Paper 84-2203, August 1984
- “Propeller Slipstream Wing Interactions at Mach No. 0.8”, (Co-Author) SAE Technical Paper 780997, January 1978
- Powered Engine Simulator Procedures and Experience for the DC-10 Wing Engine”, (Co-Author) Journal of Aircraft, July 1971