



*American Institute of
Aeronautics and Astronautics
Dayton-Cincinnati Section*

Facility Tour (again due to high demand)

25 February 2023 (Sat)

Honda Auto Labs Ohio-Wind Tunnel (HALO-WT) Tour

Hosts: Mike Unger, Facility Lead, and Tom Ramsay, Technical Lead

Summary: Honda's new full scale wind tunnel (HALO-WT) is a 3/4 open jet, 1/8-mile closed loop subsonic wind tunnel designed for automotive testing. It has interchangeable 1-belt and 5-belt moving ground planes and can be configured with two nozzle sizes, 18 m² and 25 m², which can yield top speeds of 310 kph/193 mph and 250 kph/155 mph, respectively. This tour will cover the technical and practical usage aspects of this new facility that supports Honda's automotive aerodynamic, aeroacoustics, and racing development.

Fact Sheet: <https://hondanews.com/en-US/releases/honda-opens-new-world-class-wind-tunnel-in-ohio>

Biography: Mr. Tom Ramsay has worked for Honda for 25 years and is currently a Chief Engineer at Honda's Automotive Development Center and Technical Lead of Honda's new full scale aeroacoustic wind tunnel. Prior to this, Tom was the Manager of Honda's Driving Performance and Aerodynamic Test Department as well as the Computational Fluid Dynamics (CFD) Technical Lead. Before working at Honda, Tom worked at Battelle Memorial Institute in the National Security Division, Munitions and Ordnance Department. Tom received a Bachelor of Science and Masters of Science in Aeronautical Engineering, both from The Ohio State University in 1989 and 1993, respectively. Tom is a member of SAE and belongs to the Road Vehicle Aerodynamic Committee, the Vehicle Aerodynamics Committee, and the Motorsports Engineering Conference Committee. Tom is also a member of AIAA, having been the Chair of the now defunct Columbus Section, a previous member of the Fluid Dynamics Technical Committee, and a past Distinguished Lecturer.

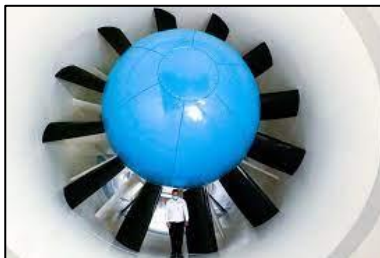
Time: 10:00 am

Location:

HALO-WT, Building 120

Transportation Research Center (TRC)

10820 OH-347, East Liberty, OH 43319



Reply to both Tom Ramsay, tramsay@na.honda.com, and Troy Hoeger, tchoeger@earthlink.net, with your name and your company (retirees should use AIAA) in order to be admitted to TRC. Detailed directions to TRC will be provided to attendees in early February.