

AIAA and ASME Awards and ZOOM Meeting
Thursday, May 20, 2021 at 0600 PM to 0800 PM

Aerion: Design Technology Behind Revolutionizing Sustainable Global Mobility
Mr. Alex Egeler

Aerion is committed to changing the face of global mobility by dramatically increasing the speed of transportation in an environmentally sustainable way. The first step towards this goal is the AS2, a carbon-neutral Mach 1.4 supersonic business jet that is slated for entry into service in 2027.



To support this vision, Aerion Technologies is an innovation center located in Palo Alto, CA that develops tools and infrastructure to rapidly respond to the needs of the company and provide automation to engineering tasks and beyond.

This presentation will discuss the capabilities that Aerion Technologies provides and how that enables Aerion to design the revolutionary concepts required to alter the way we think about travel.

Mr. Alex Egeler is the EVP of Aerion Technologies, leading the team in Palo Alto, CA. He has worked at Aerion for 7 years, starting as a software developer and inlet designer. His background is in aerodynamic shape optimization, with a B.S. in Mechanical Engineering from Johns Hopkins University and an M.S. in Aero/Astro Engineering from Stanford. He also worked in underwater missile launching systems at Northrop Grumman for nine (9) years with a focus on systems engineering and analysis software development.



THE NEW AERION AS2 SUPERSONIC
Introducing a New Era of Sustainable Supersonic Flight

- DESIGNED TO BE THE WORLD'S FIRST CERTIFIED AIRCRAFT TO RUN ON 100% ENGINEERED CARBON CAPTURED SYNTHETIC FUELS
- 1000MPH - 150% FASTER THAN TODAY'S FASTEST BUSINESS JETS
- REVOLUTIONARY BOOMLESS CRUISE™ TECHNOLOGY ENSURES SONIC BOOM NEVER REACHES THE GROUND
- THE FIRST SUPERSONIC AIRCRAFT THAT WILL ENTER COMMERCIAL SERVICE IN 50 YEARS
- THE FIRST SUPERSONIC ENGINE IN 50 YEARS POWERING THE FIRST SUPERSONIC BUSINESS AIRCRAFT IN HISTORY
- THE FIRST SUPERSONIC AIRCRAFT THAT DOES NOT REQUIRE AFTERBURNING ENGINES

PERFORMANCE			
MACH 1.4 Supersonic Cruising Speed	0.95 MACH Subsonic Cruising Speed		
EXTERIOR DIMENSIONS			
144.9 FT Length	79 FT Wing	29 FT Height	
INTERIOR DIMENSIONS			
30 FT Length	7 FT 11 IN Width	6 FT 4 IN Max Height	8-10 PASSENGERS Capacity

AIAA – ASME AWARDS AND ZOOM WEBINAR

Thursday, May 20, 2021
0600 PM – 0900 PM

0600 – 0615 pm – Welcome and Introductions
0615 - 0700 pm – AIAA Essay Awards
0700 - 0800 pm – Aerion Presentation / Q&A

Join Zoom Meeting

<https://aiaa.zoom.us/j/92950541201?pwd=QnRkcDloWEtTV1p3YUljSExeG52Zz09>

Meeting ID: 929 5054 1201

Passcode: 532045

One tap mobile:

1 669 900 9128 US (San Jose)

888 475 4499 US Toll-free

877 853 5257 US Toll-free

Find your local number:

<https://aiaa.zoom.us/j/92950541201?pwd=QnRkcDloWEtTV1p3YUljSExeG52Zz09>