

THE NINTH ANNUAL HSAT WORKSHOP • 2026 EDITION

## HIGH SPEED AEROSPACE TRANSPORTATION

# HSAT 2026

TRANSONIC • SUPERSONIC • HYPERSONIC • ORBITAL

EDITION FOCUS **Deploying $100 Billion by 2030**

## WORKSHOP PROGRAM

## November 11–13, 2026

ORGANIZED BY

IFG · HIGH SPEED FLIGHT · FAST FORWARD · GLOBAL SPACEPORT ALLIANCE

HOSTED AND SPONSORED BY

STARFIGHTERS SPACE · PERMIAN AEROSPACE DEVELOPMENT · Midland International Air & Space Port

Starfighters Space Headquarters Hangar • Midland International Air & Space Port • 9600 Wright Drive, Midland, Texas

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# A Special Thank You to Our Hosts & Sponsors






























WELCOME

# Welcome from the Chairman, Co-Chair and Hosts

9TH HSAT WORKSHOP

## Welcome Message from the Chairman

Welcome to the **9th High-Speed Aerospace Transportation (HSAT) Workshop**, a one-of-a-kind, action-oriented, and results-driven event for the **High-Speed Flight (HSF)** industry. This year's workshop brings together the leadership and key members of the **HSF Task Force**. HSAT 9 is laser-focused on a bold vision: enabling **Point-to-Point (P2P)** transportation of people and goods across the planet, through all high-speed flight regimes—**transonic, supersonic, hypersonic, and suborbital**.

What makes HSAT truly unique is our comprehensive and integrated approach. We address every dimension necessary for industry advancement, encapsulated in the acronym **PRO-SST&F**: **Policy, Regulations, Operations, Standards, Safety, Technology, and Finance**.

### A Bold Goal for the Future

The 9th edition carries forward the most ambitious target in our history—**to raise and deploy over $100 billion in capital by 2030**—with this year's focus squarely on deployment: **Deploying $100 Billion by 2030**.

We believe the current global landscape is aligned with our mission. The conditions are ripe for the **demonstration and proliferation of supersonic, hypersonic, and orbital P2P transportation**. However, we remain mindful of the challenges ahead—**geopolitical, socioeconomic, and environmental** headwinds that can be intense, persistent, and complex.

### Breaking the Tyranny of Mach 1

HSAT was founded to deliver real-world solutions to long-standing barriers in aerospace—what the HSF community calls the **"Tyranny of Mach 1."** Aside from the Concorde's limited run (1973–2003), commercial aviation has been stuck under this speed ceiling for over six decades.

Fortunately, **in June 2025**, a **historic Executive Order from the White House** signaled the potential end of the overland speed restrictions in place since 1973. This landmark policy shift could unlock a new era in high-speed flight.

### Welcoming You Onboard

Whether you are joining HSAT for the first time or returning, I am honored to welcome you. We are proud to collaborate with organizations such as **AIAA**, the **Global Spaceport Alliance (GSA)**, and many others. Together, we share one mission: to enable safe, reliable, and profitable flight at and beyond **Mach 1.** We also include the **high-speed transonic** sector—long-range commercial aircraft cruising at speeds above Mach 0.90—as a valuable indicator of market readiness and public appetite for speed.

### The HSAT 9 Experience

This year's workshop brings together **over 100 influential HSF stakeholders** from across the U.S. and the world—including Japan, Australia, the European Union, and the UK. Our discussions will respond directly to recent mandates from **Congress** and regulatory agencies to integrate high-speed commercial flight into both **National and International Airspace Systems (NIAS)**, in coordination with **Air Navigation Service Providers (ANSPs)**.

HSAT is firmly embedded in the trajectory set forth by the **FAA Reauthorization Act of 2024 (H.R. 3935)** and the **2025 White House Executive Orders**. Together, we will work to support agencies like the **FAA**, **DOT**, **DOC**, and even the **DOE**, with insights, deliverables, and actionable recommendations.

### Interactive, Results-Oriented Format

Our interactive workshop format fosters open dialogue, candid debate, and focused collaboration. Task groups produce **White Papers**, **Observation Findings and Recommendations (OFRs)**, and frameworks for **voluntary standards and best practices**—all aimed at enabling financially and economically sustainable command and civil high-speed flight.

We will cover a wide range of technical domains:

- Vehicles, systems, and powerplants
- Airspace and infrastructure
- Adjacent technologies
- Safety and regulatory frameworks

Our **HSAT Matrix** approach allows us to cross-analyze issues across all speed regimes and identify synergies, avoiding duplication and maximizing effectiveness.

### Safety, Standards, and Scalability

**Safety** is our top priority. HSAT promotes phased approaches to achieving safety and sustainability benchmarks equivalent to today's commercial aviation. We support industry-wide adoption of **voluntary consensus standards** to ensure global interoperability and scalability.

The **HSAT Issues Matrix** (included in the program appendix) reflects key stakeholder priorities, public survey responses, and adjacencies to defense, government, humanitarian, and NGO operations.

### Building on Momentum

This 9th edition builds on the legacy of the past eight editions. We've identified the tools and platforms for the public to advocate for faster flight—what we call the right to "**shout politely**" for high-speed travel. We continue to propose **bilateral regulatory agreements** with like-minded nations.

Our vision remains clear:

**To make the world smaller and more connected—enabling anyone to fly anywhere on Earth and back within a single business day.**

We believe the FAA reauthorization's inclusion of HSF reflects both our industry efforts and the **public's growing support**—as our hard-earned "**social license**." But we must continue to build momentum.

### Ready for the World

The market is ready. Business, leisure, humanitarian, and military applications all stand to benefit. Shortening travel times—some of which currently exceed 20 hours—is not just about speed; it's about unlocking **productivity, connectivity, and global opportunity**.

Recently we have enhanced several important tracks, including:

- **Aerospace medicine** and **human factors**

- **Health and fitness** for flight (for crew, passengers, and ground personnel)
- **High-altitude and space weather** for improved air and space traffic safety
- **Artificial Intelligence (AI)**, **Machine Learning (ML)**, and **Quantum Computing** for system optimization

And, most critically, we are engaging with **investors, financiers, private equity firms, venture capitalists, and institutional stakeholders** in our quest to raise over **$100 billion for the HSF overall industry by 2030**.

### Strategic Partnerships

We are proud to collaborate with a broad range of partners and organizations, including:

- **American Institute of Aeronautics and Astronautics (AIAA)/integrated outreach committees (100's)**
- **Global Spaceport Alliance (GSA)**
- **NASA**
- **Boeing Research and Technology**
- **Commercial Space Federation (CSF)**
- **US Space Force Association (SFA)**
- **UCAH – University Consortium for Applied Hypersonics**
- **ASTM F47 Commercial Spaceflight Standards Committee**
- **SAE Supersonic and Hypersonic Committees**
- **Hypersonic and Reusable Launch Vehicle Working Groups**
- **Transportation Research Board (TRB)**, including the **New Entrants in the NAS Working Group**

### A "One-Day World"

HSAT's ultimate objective is to **mobilize markets**, **engage the public**, and **inspire policymakers, investors, and technologists** to make **safe, efficient, and profitable high-speed aerospace transportation** a global reality.

We believe in a **"one-day world"**—a world where people and goods can move swiftly, safely, and sustainably, through the atmosphere and even through space.

Once again, I am honored to Chair this event and to work alongside such a **diverse, visionary, and dedicated group of leaders**. I look forward to your active participation, your contributions to our working groups, and to building a faster, more connected world—**together**.





***Oscar S. Garcia, Chairman & CEO***
***InterFlight Global Corporation***
***High Speed Flight / Fast Forward Group***

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**WELCOME MESSAGE FROM THE WORKSHOP HOSTS AND KEY SPONSORS**

PERMIAN AEROSPACE DEVELOPMENT

## Permian Aerospace Development (PAD)

Welcome to Midland, the hub of America's emerging Space Basin. Permian Aerospace Development (PAD) is the front door for aviation, aerospace and space companies coming to the Permian Basin—a joint-venture platform that shares risk, relationships and results with the companies that choose West Texas.

Our focus is the infrastructure that high speed flight cannot do without. On the airspace side, PAD is advancing **High Speed Corridors** that link the Midland hub with more than 27 spaceports, making the Midland International Air & Space Port a hyperconnected air and spaceport for high-altitude, high-speed R&D and T&E—with Starfighters Space as its anchor tenant—complemented by the Midland–El Paso corridor across West Texas.

On the ground, our first joint venture is **OILR, the Orbital Inland Launch & Reentry Site** in Reeves County, about 115 miles southwest of Midland. Planned as the first commercial inland vertical launch and reentry complex in the Americas, OILR offers more than 150,000 acres of low-population range, established high-speed corridors and large safety buffers, and it has already hosted suborbital launch activity and rocket testing. Because OILR is built for reentry as much as for launch, it is a natural destination node for the **point-to-point suborbital transportation** this workshop is working to enable.

OILR's **vertical launch and reentry** capability, about 115 miles from Midland, is designed to complement the **High Speed Corridors** and the **horizontal launch** capability of the Midland International Air & Space Port. Together they form one integrated system for supersonic, hypersonic and suborbital flight, **synergizing more than 50 counties across the Permian Basin** and making it **America's High Speed Flight Basin**.

Corridors in the sky and a place to launch and land on the ground: that is how a point-to-point network begins. We are proud to host and sponsor HSAT 2026, and we look forward to meeting you here in the Permian Basin.

***P. Lourcey Sams, Co-Founder, Permian Aerospace Development***

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**WELCOME MESSAGE FROM THE WORKSHOP HOSTS AND KEY SPONSORS**

STARFIGHTERS SPACE

## Starfighters Space

Welcome to Midland and to the Starfighters Space headquarters hangar at the Midland International Air & Space Port. Starfighters operates the world's only commercial fleet of flight-ready **Mach 2.2+ F-104 Starfighters**, and we put that fleet to work as **America's premier Space Support Vehicle (SSV) operator**, delivering research, development, test and evaluation (RDT&E) services to government and commercial customers.

Our expanded operations in Midland, alongside our base at NASA's Kennedy Space Center, give us dual-hub resilience and access to a network of regional air and spaceport sites, with the West Texas airspace, high-speed corridors and weather that sustained supersonic operations demand. From here the F-104 flies as a **"wind tunnel in the sky" for supersonic and hypersonic programs**, carrying components and subsystems to sustained supersonic conditions that ground facilities cannot reproduce, and as a **reusable first-stage booster for air launch**, releasing payloads at around 45,000 feet and supersonic speed on the path to **suborbital and orbital missions**. Partnerships such as our reusable hypersonic SpaceDrone flight trials with Blackstar Orbital and our microgravity flight support

with Mu-G show how quickly concepts can move from simulation to flight.

We see today's capabilities as the first of **many evolutionary quantum leaps ahead**: every test point we fly over West Texas builds the knowledge base for supersonic, hypersonic and suborbital point-to-point transportation. We are proud to host and sponsor HSAT 2026, and we look forward to welcoming you to our hangar.

***Tim Franta, Chief Executive Officer, Starfighters Space***

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**WELCOME MESSAGE FROM THE WORKSHOP CO-CHAIR**

## Global Spaceport Alliance (GSA)

The Global Spaceport Alliance (GSA) continues to be an enthusiastic partner and supporter of the High-Speed Aerospace Transportation Workshop, now in its **9th Edition**. With all the remarkable progress being made in aerospace technology and operations, the goals of the GSA Point to Point (P2P) Advisory Group remain perfectly aligned with this event.

HSAT's interactions are focused on enabling safe, sustainable, and responsible high-speed, long-distance transportation. Although it is difficult to know exactly how and when such a future will unfold, it is clear that P2P travel through space is going to be a major game-changer, both for what it means for national security, and for its impact on economic competitiveness.

The ability to fly people or cargo from one side of the Earth to the other in just an hour or two will radically change not only how we travel, but also how we communicate, how we do business, and how we engage with and get along with other nations, other cultures, and other societies.

On October 4, GSA held its **3rd Annual International Spaceport Forum in Antalya, Türkiye**, immediately prior to the **77th International Astronautical Congress** — the first IAC ever hosted in Türkiye, which was expected to bring together more than 10,000 participants from over 100 countries under the theme "The World Needs More Space." Global Rapid Transport, including point-to-point transportation through space, was again a central topic, alongside the economic value of spaceports, inland spaceports and offshore platforms, safety and interoperability standards, and international collaboration on space rescue capabilities. With the Space Foundation now estimating the global space economy at more than **$686 billion**, and the updated National Space Transportation Policy setting a goal of supporting **more than 1,000 launches and reentries every year by 2030**, the need for a global network of spaceports has never been clearer.

At this 9th Edition of HSAT, the **GSA and High Speed Flight (HSF) collaboration**, through our Spaceport-to-Spaceport Working Group, will report on the incorporation of **artificial intelligence (AI), machine learning (ML) and high-fidelity simulation**, among other advanced tools, into P2P flight planning, airspace integration and spaceport operations — including high-fidelity flight planning demonstrations for launch, transit and reentry, and the next releases of the GSA P2P white papers. We look forward to continuing the conversation with the broader HSAT community as we focus on how P2P flight through space will help to shrink the planet. Topics of particular interest for GSA will include spaceport readiness, testing, safety, infrastructure funding, and needed changes to laws, policies, and regulations.

GSA was established in 2015 with the goal of creating a global network of spaceports that will allow increased access to space, and that can serve as focal points and technology hubs in growing the space economy. The group currently has **112 Member Organizations**, including spaceports and the companies that support them, government agencies, non-profits, and academic institutions, with representation from **16 countries**. We hold an annual GSA Spaceport Summit in conjunction with the Space Mobility and SpaceCom Conferences, and we are actively involved in partnering with stakeholders at NASA, DoD, the Department of Commerce, the Department of State, and the FAA, and with industry, academia, and the international community.

***Dr. George C. Nield, Chairman, Global Spaceport Alliance***

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**WELCOME FROM THE HOST AIR & SPACE PORT**

## Midland International Air & Space Port

Welcome to Midland! The Midland International Air & Space Port is excited to be hosting this workshop. The airport offers unparalleled high-speed and space airspace access to well-established and entrepreneurial aerospace companies experiencing rapid growth.

Midland has airspace and weather conditions perfect for high-speed flight R&D, testing, evaluation, and training. With Starfighters Space now operating at the Air & Space Port, Midland is home to the world's only commercial fleet of Mach 2.2+ F-104 Starfighter aircraft, bringing enhanced capabilities to perform orbital air launch, with the F-104 serving as a reusable first-stage booster that returns to land at MAF, and to support reentry operations.

Midland International Air & Space Port is a 1,680-acre property owned by the City of Midland. Classified by the FAA as a primary commercial small-hub airport, MAF is certified under Federal Aviation Regulation Part 139 and Part 420 as a spaceport. MAF is served by three airlines - American, Southwest and United, with daily non-stop flights to Austin (AUS), Dallas (DFW & DAL), Denver (DEN), Houston (HOU & IAH), Las Vegas (LAS), and Phoenix (PHX). The property contains four runways and associated taxiways: two air carrier runways and two general aviation runways.

The City of Midland also operates Midland Airpark, located on the northern side of the city. Midland Airpark serves the general aviation public, including business and corporate traffic.

Midland International Air & Space Port believes in the future of high-speed aerospace transportation for our Nation's leadership in air and space transportation, and for our national security and safety, and is ready to support Starfighters Space and all those who want to bring their ideas to West Texas.

***Ms. Justine Ruff, Director of Airports, City of Midland***

AGENDA

# Program at a Glance

Three days across every speed regime: welcome, host vistas and state of the art on Wednesday; frameworks, new advanced technologies and capital on Thursday; action plans and B2B meetings on Friday.

## DAY 1 · WED, NOV 11
**12:30 – 20:00**
SESSIONS & WELCOME MIXER

- **12:30** *Registration / Light Lunch*
- **13:00** Welcome, Hosts & HSAT Frameworks
- **15:00** Human Factors & Aerospace Medicine
- **15:30** State of the Art – Transonic
- **16:00** State of the Art – Suborbital Spaceplanes
- **16:30** State of the Art – Hypersonic
- **17:00** State of the Art – Suborbital: CSF Today
- **18:00** **Welcome Mixer – Starfighters Lounge**
- **19:00** Opportunity: Warbirds Museum Tour (Optional)

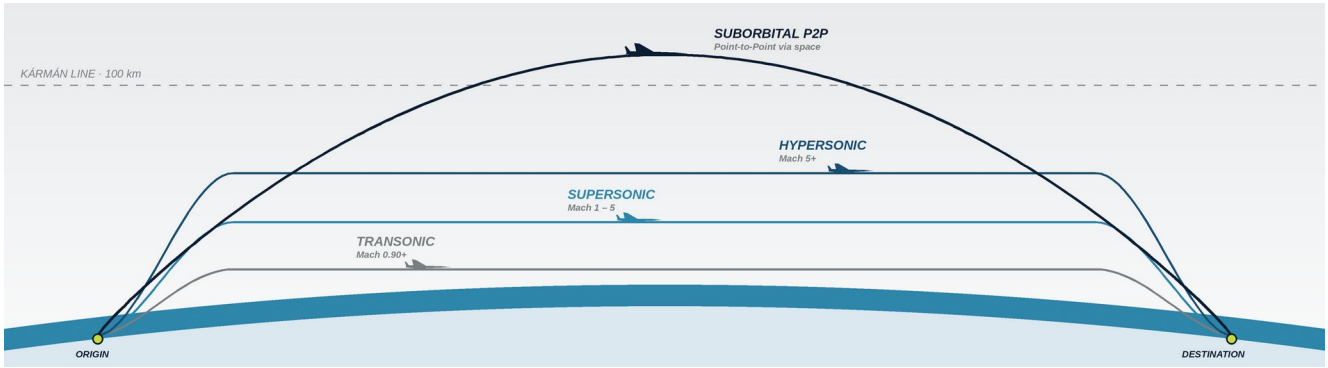
## DAY 2 · THU, NOV 12
**8:30 – 21:30**
SESSIONS, COCKTAIL & DINNER

- **8:30** *Light Breakfast / Coffee and Registration*
- **9:00** HSF Frameworks (PRO-SST&F)
- **10:00** Human Factors & Aerospace Medicine (Cockpit Vision)
- **10:30** Designing for Certification
- **11:00** *Coffee Break*
- **11:15** New Advanced Technologies (FAA)
- **12:15** *Lunch*
- **13:00** Design, Science & Technology – Suborbital
- **13:30** Finance – FBR Review
- **14:45** Markets & Economics
- **15:15** *Coffee Break*
- **15:30** Funding: Angels, HNI, PE, PPP
- **17:15** Funding Strategy, Way Forward & Insights
- **17:45** **Cocktail & Hangar Dinner**
- **19:30** **Keynotes**

## DAY 3 · FRI, NOV 13
**8:30 – 12:30**
SESSIONS & B2B MEETINGS

- **8:30** *Light Breakfast / Coffee and Registration*
- **9:00** Introductions & Action Plans
- **11:00** *Coffee Break*
- **11:30** Final Actions – Suborbital & 2027 Planning
- **12:30** *Boxed Lunch*
- **14:30** One-on-One B2B Meetings

## ONE WORKSHOP • EVERY SPEED REGIME

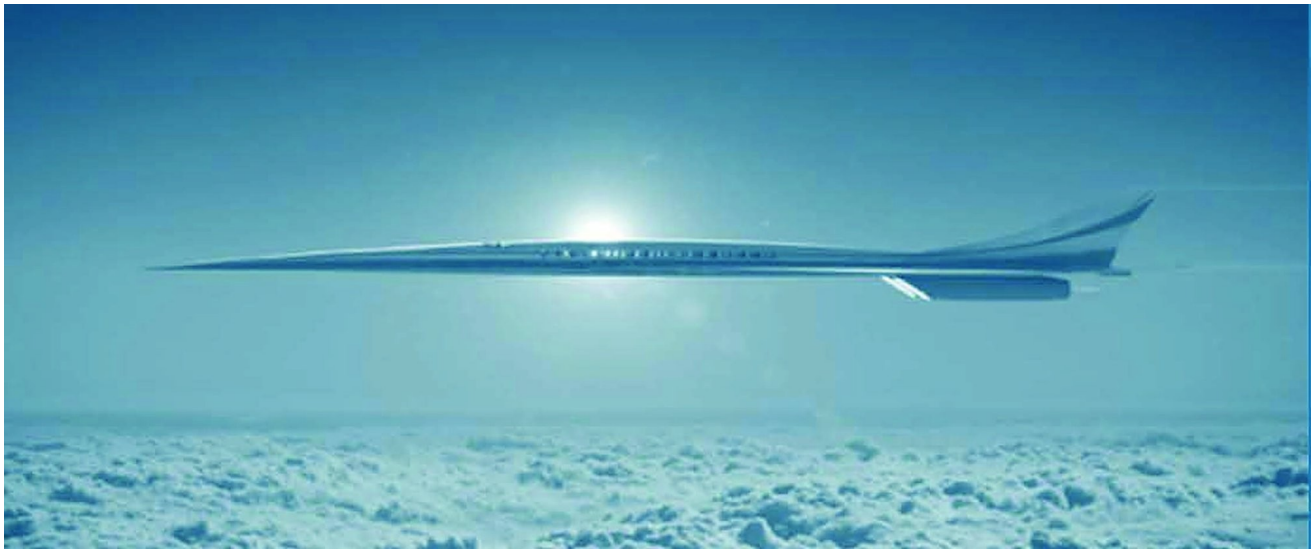


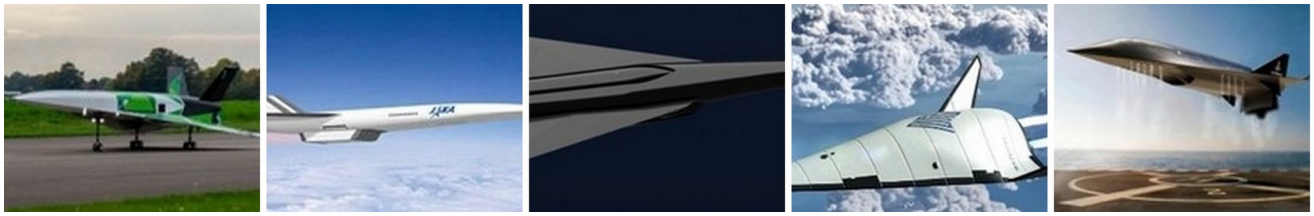

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PARTICIPATING ORGANIZATIONS

# Invited and Confirmed Organizations

Speakers in this program represent the following organizations.





DAY **1**

# Wednesday, November 11, 2026

MIDDAY & AFTERNOON SESSIONS · WELCOME MIXER

**12:30–13:00** — **Registration / Light Lunch**

## ✈ INTRODUCTIONS AND HSAT FRAMEWORKS 2027–2050+

**13:00–13:15** (15 min)
### High Speed Aerospace Transportation – Workshop Welcome, Dynamics and Protocols
**Mr. Oscar S. Garcia**, Chairman, High Speed Flight Group

**13:15–13:30** (15 min)
### Welcome Starfighters Space – Realities of Mach 2.0+ High Speed Flight R&D, T&E: Supersonic, Hypersonic and Air Launch
**Mr. Piercarlo "Capone" Ciacchi**, Director of Flight Operations, Starfighters Space, for Mr. Tim Franta, Chief Executive Officer

**13:30–14:00** (30 min)
### High Speed Aerospace Transportation – Industry General Vistas 2027–2050
**Mr. Oscar S. Garcia**, Chairman, InterFlight Global Corporation – InterFlight Global Capital

**14:00–14:30** (30 min)
### GSA Vistas for Spaceports, Ground and Airspace Infrastructure, Policy and Strategies – National and Global – Global Rapid Transport Concepts
**Dr. George C. Nield**, HSAT Co-Chair and Chairman, Global Spaceport Alliance (GSA)

**14:30–15:00** (30 min)
### Regulatory and Safety Vistas for Space P2P Transportation – Beyond Safety, by Encouraging, Promoting and Facilitating Commercial Spaceflight
**Mr. Kelvin Coleman**, Immediate Past FAA Associate Administrator for Commercial Space Transportation (AST); Founder and Principal, Baines Advisory Group

## ✈ HUMAN FACTORS AND AEROSPACE MEDICINE

**15:00–15:30** (30 min)
### AI Tools for Human Factors Support of Commercial Supersonic and Hypersonic Transportation
**Dr. Melchor J. Antuñano, MD, MS**, Chief Technologist & Medical Innovation Officer and Professor of Aerospace Medicine, University of Central Florida (UCF) College of Medicine

## ✈ STATE OF THE ART – TRANSONIC

**15:30–16:00** (30 min)
### Industry, Markets and Economics – Existing High Speed Commercial Aircraft. Aero-Derivatives – Realities and Conditions Precedent for Faster Vehicles Integration into Subsonic Ecosystems
**Mr. Oscar S. Garcia**, Chairman & CEO, High Speed Flight Group – Financial Business Roundtable

## ✈ STATE OF THE ART – SUBORBITAL SPACEPLANES

**16:00–16:30** (30 min)
### Thermal Protection Systems: State of the Art Materials and Technologies for Point to Point Spaceplanes – The Horizontal Solution
**Mr. Jeff Feige**, Chief Commercial Officer, Radian Aerospace

### ✈ STATE OF THE ART – HYPERSONIC

**16:30–17:00**
30 min

## The Next Generation of Aerospace Vehicle Design: Forecasting Lifecycle Risk to Guide Decision-Making

**Dr. Bernd Chudoba**, Director, Aerospace Vehicle Design (AVD) Laboratory; Associate Professor, The University of Texas at Arlington
&
**Mr. Joshua Velez**, Ph.D. Candidate, Aerospace Engineering – Hypersonics, The University of Texas at Arlington (Co-Presenter)

### ✈ STATE OF THE ART – SUBORBITAL

**17:00–17:30**
30 min

## The CSF Today and Its Vistas for the Future Point to Point Suborbital Transportation

**Mr. Isaiah Wonnenberg**, Vice President, Regulatory Affairs, Commercial Space Federation (CSF), for Mr. Dave Cavossa, President

**18:00–20:00**

## HSAT Workshop Welcome Mixer – Starfighters Space Bar and Cocktail Lounge

Drinks and heavy hors d'oeuvres at the Starfighters Space headquarters hangar as we welcome you to HSAT 2026
**CONTACT** Yvette Garcia (yvettegarcia@interflightglobal.com / +1 305-904-5182)

**19:00**

## Opportunity: An Evening with the Warbirds – Commemorative Air Force Museum Group Tour (Optional)

After-hours guided tour of the museum's collection of historic military aircraft and exhibits on Veterans Day. We'll walk over together from the HSAT Workshop; no RSVP needed, all workshop attendees are welcome.
**WHERE** Commemorative Air Force Museum, 9600 Wright Drive, Midland, TX 79706, at Midland International Air & Space Port

# DAY 2 — Thursday, November 12, 2026

**FULL-DAY SESSIONS · HANGAR DINNER**

**8:30–9:00** **Light Breakfast / Coffee and Registration**

### ✈ HIGH SPEED FLIGHT FRAMEWORKS (PRO-SST & FINANCE)

**9:00–10:00**
60 min

## High Speed Flight Main Frameworks and Areas of Policy and Regulations, Operations, Standards, Safety, Technology and Financing (PRO-SST), Barriers and Challenges, Opportunities and Markets / Aeroderivative Technologies and Adjacencies

**Mr. Oscar S. Garcia**, Chairman & CEO, InterFlight Global Corporation (IFG) and High Speed Flight Group

## ✈ HUMAN FACTORS AND AEROSPACE MEDICINE

**10:00–10:30**
30 min

### Human Factors for Cockpit Synthetic, Fused and Hybrid Forward Vision Technologies

**Dr. Melchor J. Antuñano, MD, MS**, Chief Technologist & Medical Innovation Officer and Professor of Aerospace Medicine, University of Central Florida (UCF) College of Medicine

## ✈ DESIGN, SCIENCE AND TECHNOLOGY – CERTIFICATION

**10:30–11:00**
30 min

### Designing for Certification: Early Decisions That Shape Aircraft Development – High Speed Flight Vehicle Focus

**Mr. Martin Neumuller**, President and Aerospace Engineer, MCE Aero

**11:00–11:15** **Coffee Break**

## ✈ NEW ADVANCED TECHNOLOGIES

**11:15–11:45**
30 min

### FAA Office of Advanced Aviation Technologies (AAT) Introduction – Vistas of the UAM / AAM and High Speed Flight

**Mr. Bimal Aponso**, Chief Scientist and Technical Advisor for Dynamic Systems, FAA
&
**Ms. Pamela Gomez**, FAA Office of Advanced Aviation Technologies (AAT)

**11:45–12:15**
30 min

### Regulatory, Licensing and Compliance Vistas – High Speed, High Altitude, Launch and Reentry Vehicles – Point to Point Flight Perspectives

**Ms. Cheree Kiernan**, Founder and CEO, Integrated Launch Solutions (ILS)
&
**Ms. Courtney C. Compton**, Project Manager, Integrated Launch Solutions (ILS)
&
**Mr. Kelvin Coleman**, Immediate Past FAA Associate Administrator for Commercial Space Transportation (AST); Founder and Principal, Baines Advisory Group

**12:15–13:00** **Lunch**

## ✈ DESIGN, SCIENCE AND TECHNOLOGY – SUBORBITAL

**13:00–13:30**
30 min

### Suborbital Long Range P2P Air Towed Launch Vehicle Concept – Focus US-UK / US-Australia

**Mr. Martin McLaughlin**, Principal and Founder, McLaughlin Aerospace

## ✈ FINANCE SESSION INTRODUCTION – FBR REVIEW

**13:30–14:45**
75 min

### High Speed Flight Industry – Capitalization, Funding, Financing and Profiting – Action Planning – FBR Review

**Mr. Oscar S. Garcia**, Chairman & CEO, InterFlight Global Corporation (IFG) and High Speed Flight Group
&
**Mr. Michael Dyment**, Principal, Founder and CEO, NEXA Capital Partners

▸ *Including: Raising $100B+ by 2030 – Actions to financially enable the High Speed Flight industry / Air and Space*

## ✈ MARKETS AND ECONOMICS

**14:45–15:15**
30 min

### Raising Funds, Novel Models, Tokenization, AI Tools – Through Private Placement Memorandums – Fulcrum to IPO

**Mr. John Quinn**, Founder and CEO, Exos Aerospace

| | |
|---|---|
| **15:15–15:30** | **Coffee Break** |

### ✈ FUNDING – ANGELS / HNI / PE

**15:30–16:30**
60 min

## Funding the Early-Stage High Speed Flight Industry – From Seed to IPOs – Novel Approaches Reg CF / Reg A+ to NYSE/NASDAQ IPOs

**Mr. Justus Parmar**, Founder & CEO, Fortuna Investments
&
**Mr. Tim Franta**, Chief Executive Officer, Starfighters Space
&
**Mr. Sean Bromley**, Director, Starfighters Space, and Investment Consultant

**16:30–17:00**
30 min

## Macro Scale Public Private Partnerships – Strategic Funding – Lessons Learned from the Aviation, Advanced Air Mobility and Other Aerospace Industries

**Mr. Michael Dyment**, Principal, Founder and CEO, NEXA Capital Partners

| | |
|---|---|
| **17:00–17:15** | **Networking Break** |

### ✈ FUNDING STRATEGY, WAY FORWARD AND DAYS 1–2 INSIGHTS

**17:15–17:45**
30 min

## Sustaining the High Speed Flight Industry Financing – Innovative Plans and Actions After the Workshop – Aligning All Insights Days 1–2 and Preparing Actions and Activities 2027–2030

**Mr. Oscar S. Garcia**, Chairman & CEO, InterFlight Global Corporation (IFG) and High Speed Flight Group
&
**Dr. George C. Nield**, HSAT Co-Chair and Chairman, Global Spaceport Alliance (GSA)

**17:45–21:30**

## Cocktail, Followed by Dinner Reception – Starfighters Bar and Hangar Dinner

With selected guest speakers
**VENUE** Starfighters Space headquarters hangar, Midland International Air & Space Port

### ✈ KEYNOTE SPEECHES AND PRESENTATIONS • 19:30–20:00

**Master of Ceremonies**

## Dinner Keynote Program

**Mr. Oscar S. Garcia**, Chairman and CEO, High Speed Flight

**Keynote**

## Support for the High Speed Flight Industry – Ground, Airspace, Incentives and Financing

**Mr. P. Lourcey Sams**, Principal and Managing Partner, Permian Aerospace Development (PAD)

**Keynote**

## Taking a High Speed Air and Space Flight Company to the NYSE – The Starfighters Space Story

**Mr. Sean Bromley**, Director, Starfighters Space, and Investment Consultant, for Mr. Justus Parmar, Founder & CEO, Fortuna Investments, and Mr. Tim Franta, CEO, Starfighters Space

DAY 3

# Friday, November 13, 2026

MORNING SESSIONS · B2B MEETINGS

**8:30–9:00** — **Light Breakfast / Coffee and Registration**

## ✈ INTRODUCTIONS AND ACTION PLANS 2027–2050+

**9:00–9:30** (30 min)

### Interim Highlights – Workshop Insights – Objectives for Day 3

**Mr. Oscar S. Garcia**, Chairman & CEO, InterFlight Global Corporation (IFG) and High Speed Flight Group

**9:30–9:45** (15 min)

### Leading and Managing Midland International Air & Space Port: The World's First and Only Collocated Airline Airport and Spaceport

**Ms. Justine Ruff**, Director, Midland International Air & Space Port

**9:45–10:10** (25 min)

### Aerospace-Spaceflight and Transportation – From Space Tourism to Point to Point Suborbital Flight – Inland Spaceports Perspectives

**Mr. Scott McLaughlin**, Executive Director, Spaceport America

&

**Mr. Craig J. Smith**, Director of Space Industry Development, Oklahoma Department of Aerospace & Aeronautics and Oklahoma Space Industry Development Authority – Infinity One Oklahoma Spaceport

**10:10–10:30** (20 min)

### High Speed Airports and Spaceports – Integration and Development – GSA P2P White Papers, AI Integration, High Fidelity Flight Planning Demonstrations and Future Vistas

**Dr. George C. Nield**, HSAT Co-Chair and Chairman, Global Spaceport Alliance (GSA)

&

**Ms. Gina Lewis**, Founder and Managing Director, Tall City Cyber and HyperSigma

&

**Mr. Ravneet Singh**, Chief Technology Officer, HyperSigma

**10:30–11:00** (30 min)

### The Need and State of the Art of Industry Consensus Standards for High Speed Flight and Suborbital Spaceflight Commercial P2P Safety and Scale

**Mr. Andrew Nelson**, Chairman, ASTM F47 Commercial Spaceflight Standards Committee; Vice President, RS&H

**11:00–11:30** — **Coffee and Networking Break**

## ✈ ACTIONS 2026–2027 – SUBORBITAL AND HSF INDUSTRY 2027 PLANNING

**11:30–12:30** (60 min)

### Final Suborbital Workshop Conclusions, Recommendations and Actions – Putting It All Together: Final Workshop Conclusions, Recommendations and Actions for 2027

**Mr. Oscar S. Garcia**, Chairman & CEO, InterFlight Global Corporation (IFG) and High Speed Flight Group

&

**Dr. George C. Nield**, HSAT Co-Chair and Chairman, Global Spaceport Alliance (GSA)

**12:30–14:30** — **Boxed Lunch**

**14:30–17:00**

### (Optional / On Request) One-on-One Meetings – B2B Introductions

Introductions and private B2B meetings with Starfighters Space, Permian Aerospace Development, speakers and participants, arranged on request and tailored to each attendee's objectives.

PROPRIETARY HSAT FRAMEWORK • ALL SPEED REGIMES ISSUES MATRIX

# Workshop Master Matrix

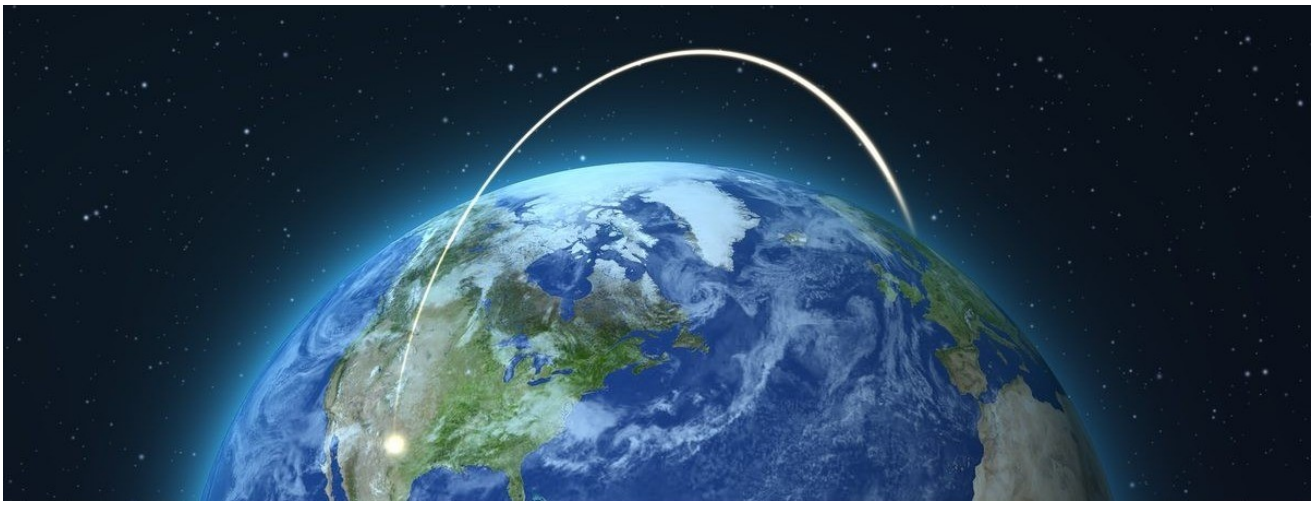
The HSAT All Speed Regimes Issues Matrix organizes the workshop's discussions, actions and reports into 13 areas and 55 focus items, analyzed across every speed regime from transonic to orbital.

| TRANSONIC < Mach 1.0 | SUPERSONIC Mach 1.0–4.0 | HYPERSONIC Mach 5.0–10.0 | SUBORBITAL Mach 10.0+ | ORBITAL Mach 20.0+ |
|---|---|---|---|---|

| | |
|---|---|
| **1** | **RESEARCH & DEVELOPMENT** |
| 1.1 | CONOPS |
| 1.2 | Missions |
| 1.3 | **Integration into subsonic infrastructure and advanced air mobility – first and last mile, door-to-door mobility** |
| **2** | **DESIGN & ENGINEERING – INNOVATION – TECHNOLOGY** |
| 2.1 | Aero/space dynamics |
| 2.2 | Structures |
| 2.3 | Propulsion |
| 2.4 | Guidance |
| 2.5 | Safety systems |
| 2.6 | Systems integration |
| 2.7 | **AI, ML, quantum computing, navigation et al.; high-fidelity simulations using digital twins** |
| **3** | **MANUFACTURING & ASSEMBLY** |
| 3.1 | Materials |
| 3.2 | Supply chain |
| 3.3 | Certification |
| 3.4 | **Production certification** |
| **4** | **OPERATIONS** |
| 4.1 | Flight ops |
| 4.2 | Ground ops |
| 4.3 | **Peripheral ops – aero-derivatives** |
| 4.4 | **Integration (NAS), airports, high speed ports** |
| **5** | **HUMAN FACTORS – OPERATIONS** |
| 5.1 | Crew |
| 5.2 | Occupants / passengers |
| 5.3 | Training |
| 5.4 | Traffic management |
| **6** | **HUMAN FACTORS – AEROSPACE MEDICINE** |
| 6.1 | Flight crew |
| 6.2 | Ground crew |
| 6.3 | Occupants / passengers |
| 6.4 | **Uninvolved public – safety** |

| | |
|---|---|
| **7** | **SAFETY & COMPLIANCE** |
| 7.1 | Licensing |
| 7.2 | Certification |
| 7.3 | Standards |
| 7.4 | **Safety management / SMS – voluntary safety reporting** |
| **8** | **LEGAL – LEGISLATION – INSURANCE – SOCIETAL** |
| 8.1 | Environmental – sustainability |
| 8.2 | Legal |
| 8.3 | International |
| 8.4 | Insurance – legal |
| 8.5 | Policy – regulatory interfaces |
| **9** | **FINANCIAL, ECONOMIC, MARKETS & BUSINESS** |
| 9.1 | Funding |
| 9.2 | Markets |
| 9.3 | Business / mission case |
| 9.4 | **Public demand, opinion and advocacy** |
| **10** | **INFRASTRUCTURE – POWERPLANTS** |
| 10.1 | **Air / spaceports / high speed ports** |
| 10.2 | Airspace – terminal, en route, oceanic |
| 10.3 | Propellants, fuels and powerplants safety |
| **11** | **HUMAN RESOURCES – PERSONNEL – EDUCATION – OUTREACH** |
| 11.1 | Innovation |
| 11.2 | Education |
| 11.3 | Training |
| 11.4 | Certification |
| 11.5 | Marketing and outreach – PR |
| 11.6 | **Design Build Fly – HSF initiatives** |
| **12** | **WEATHER AND NATURAL PHENOMENA** |
| 12.1 | High-altitude atmospheric weather |
| 12.2 | Space weather |
| **13** | **HSF MARKETS, ECONOMICS, FINANCING, FUNDING** |
| 13.1 | Business models |
| 13.2 | Markets |
| 13.3 | Financial and economics |
| 13.4 | Funding and financing |
| 13.5 | **Workshop series HSF Financial Business Roundtables (FBR) and infrastructure funding** |

**New for 2026 —** including high-fidelity simulations using digital twins, AI and ML, added by the GSA–HSF Working Group to the Airspace P2P NAS and Global White Paper series. © InterFlight Global Corporation – High Speed Flight; proprietary HSAT matrix, Master Program V4.0.



CONTACT & CONTINUATION

# Markets Are Shaped Early, Quietly, and Deliberately.

*Success will not be measured by what was said. It will be measured by what moves forward.*


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**2026 SERIES**

November 11 – 13 — HSAT™ 2026 Workshop, Midland, Texas
**InterFlight Global Corporation – High Speed Flight**
Boulder office 1434 Spruce Street, Suite 100, Boulder, CO 80302
Miami office 201 S. Biscayne Blvd, Fl 28, Miami, FL 33131

## SCAN FOR THE FULL PROGRAM

Point your phone camera at the code to open the complete HSAT 2026 program, which expands every section of this handout: welcome messages from the Chairman, hosts and partners, workshop overview, Road to HSAT, Actions and Commitments, and Appendices A1–A10.

**hsat.highspeedflight.com/program-2026**


*This program is provided to participants of the HSAT™ 2026 Workshop. Chatham House Rule applies.*