

54th CS | 42nd APS | 42nd EPSS | 36th ESHS
Joint Subcommittee Meeting | PIB Meeting

Schedule at a Glance

7 - 11 December 2026 | Hampton, VA

TECHNICAL PROGRAM

This year's technical program currently consists of more than 325 presentations in 53 technical sessions, 13 specialist sessions, six workshops, a poster session, and keynote; plus seven panel meetings and a town hall meeting. A detailed daily schedule of all sessions, workshops, meetings, and networking activities is provided below and continues through page 24. Detailed agendas of the technical sessions, specialist sessions, and workshops are listed in the Program section of the Preliminary Program beginning on page 25.

What are Panel Meetings & why should I attend them?

Subcommittee Panels represent the primary mechanism for collaboration in technical areas of joint interest to JANNAF agencies, the industry, and academia. If you are interested in participating in JANNAF tasks or wish to learn about potential areas for collaboration, please look through the Schedule at a Glance for panel meetings that align with your interests.

Please note that the agendas of 29 sessions begin with at least one presentation that is restricted at either distribution statement B (US Government only), D (DoD and DoD Contractors only), or E (DoD Components only). Sessions with at least one restricted presentation are indicated in the Schedule at a Glance below and through page 24 with "Open *". The schedule color key on each page explains other markings. Please review the detailed session agendas in the Preliminary Program for additional information about the restricted talks and who is eligible to attend them. Presentation and session restrictions are subject to change.

SCHEDULE - Sunday, 6 December

Registration Check-In Desk:

5:00 - 7:00 p.m.

Convention Center Main Lobby (near Grand Staircase)

6:00 - 7:00 p.m.	JANNAF 101 Orientation and Early Career Working Group Meeting	Room 106	Open
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Schedule Color Key

Session Details	Closed Meetings
Panel Meetings	Networking Opportunities
"Open B", "Open D", and "Open *" indicate a session with at least one presentation restricted at B, D, or E. "Open S" and "Open S*" indicate a Secret session.	

SCHEDULE - Monday, 7 December**Registration Check-In Desk:**

7:00 a.m. - 5:00 p.m., Convention Center Main Lobby

IT Office: 7:00 a.m. - 5:00 p.m. in Room 101**Morning Sessions:** 8:00 a.m. - 12:05 p.m.**Afternoon Sessions:** 1:30 - 6:05 p.m.**Networking Area Refreshments:**

7:00 - 8:00 a.m. in Grand Ballroom G

9:35 - 10:35 a.m. in Grand Ballroom G

3:05 - 4:05 p.m. in Grand Ballroom G

Lunch Break (On Your Own): 12:00 - 1:30 p.m.

7:15 - 7:30 a.m.	Session Chair Meeting (Monday sessions)			Room 102	Closed
8:00 a.m. - 12:00 p.m.	1A	ESHS	WORKSHOP: Canonical Data and the Supporting Experiments and Models for Explosive Train Design - I	Room 104-105	Open
8:00 - 11:05 a.m.	1B	EPSS	Plume / Wake / Hypersonic Flowfield Measurements	Room 106	Open *
8:00 a.m. - 11:35 a.m.	1C	APS/MSS	WORKSHOP: Model Validation with Uncertainty Quantified Using Probability Boxes - I	Room 107	Open
8:00 a.m. - 12:05 p.m.	1D	CS	Metal, Alloy, and Boron Fuel Particle and Propellant Studies	Room 108	Open
8:00 - 10:05 a.m.	1E Part 1	CS	Advances in ASCENT	Room 109	Open
10:30 a.m. - 12:05 p.m.	1E Part 2	CS	Combustion Analytics	Room 109	Open
8:00 - 11:35 a.m.	1F	APS	Fundamental CFD and Modeling	Ballroom E	Open
8:00 - 11:35 a.m.	1G	APS	Air Breathing RDE Studies	Ballroom F	Open *
1:30 - 5:30 p.m.	1P	ESHS	WORKSHOP: Canonical Data and the Supporting Experiments and Models for Explosive Train Design - II	Room 104-105	Open
1:30 - 5:30 p.m.	1Q	EPSS	SPECIALIST SESSION: EPSS Tutorial: How to Use the JANNAF US3D-PWH Code - Recommended Practices	Room 106	Open
1:30 - 5:35 p.m.	1R	APS/MSS	WORKSHOP: Model Validation with Uncertainty Quantified Using Probability Boxes - II	Room 107	Open
1:30 - 6:05 p.m.	1S	CS	Combustion Diagnostic Methods and Applications	Room 108	Open
1:30 - 4:35 p.m.	1T	CS	Advances in Propellant Combustion	Room 109	Open
4:35 - 5:35 p.m.	1T	CS	TOWN HALL MEETING: Liquid Rocket Propulsion	Room 109	Open
1:30 - 4:35 p.m.	1U	APS	Integrated Design and System Level Impacts	Ballroom E	Open *
4:35 - 6:05 p.m.	1U	APS	PANEL MEETING: Structures and Materials in Hypersonics	Ballroom E	Open
1:30 - 6:05 p.m.	1V	APS	RDE Fueling	Ballroom F	Open *

Schedule Color Key

Session Details	Closed Meetings
Panel Meetings	Networking Opportunities
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SCHEDULE - Tuesday, 8 December**Registration Check-In Desk:**

7:00 a.m. - 5:00 p.m., Convention Center Main Lobby

IT Office: 7:00 a.m. - 5:00 p.m. in Room 101**Keynote Address:** 8:00 - 9:30 a.m.**Morning Sessions:** 10:00 a.m. - 12:05 p.m.**Afternoon Sessions:** 1:30 - 6:05 p.m.**Networking Area Refreshments:**

7:00 - 8:00 a.m. in Grand Ballroom G

9:30 - 10:00 a.m. in Grand Ballroom G

3:05 - 4:05 p.m. in Grand Ballroom G

Lunch Break (On Your Own): 12:00 - 1:30 p.m.

7:15 - 7:30 a.m.	Session Chair Meeting (Tuesday sessions and Wednesday AM classified session)			Room 102	Closed
8:00 - 9:30 a.m.	KEYNOTE ADDRESS: Keynote presenter TBA Awards and Announcements			Grand Ballroom EF	Open
10:00 a.m. - 12:00 p.m.	2A	ESHS	WORKSHOP: Canonical Data and the Supporting Experiments and Models for Explosive Train Design - III	Room 104-105	Open
10:00 a.m. - 11:35 a.m.	2B	EPSS	Composite Scene Signatures of Plume / Wake / Hypersonic Flowfield and Hardbody Configurations	Room 106	Open
10:00 a.m. - 12:05 p.m.	2C	APS	Multi-Mode Detonative Propulsion	Room 107	Open
10:00 - 11:35 a.m.	2D	CS	Propellant Characterization I: Burn Rate and Pressure Response	Room 108	Open *
10:00 a.m. - 12:05 p.m.	2E	CS	Explosive Performance	Room 109	Open *
10:00 - 11:35 a.m.	2F	APS	Vehicle Level Aerodynamics	Ballroom E	Open *
10:00 a.m. - 12:05 p.m.	2G	APS	Turbopropulsion I: Modeling and Simulation	Ballroom F	Open
10:00 a.m. - 6:00 p.m.	JANNAF Technical Executive Committee Meeting			Room 102	Closed
1:30 - 5:30 p.m.	2P	ESHS	WORKSHOP: Canonical Data and the Supporting Experiments and Models for Explosive Train Design - IV	Room 104-105	Open
1:30 - 5:30 p.m.	2Q	EPSS	SPECIALIST SESSION: EPSS Tutorial: Application of the JANNAF Signatures Suite I - Boosting Missile Configurations	Room 106	Open
1:30 - 5:05 p.m.	2R	APS/MSS	SPECIALIST SESSION: Scramjet/Ramjet Design Tools and Frameworks - I	Room 107	Open
1:30 - 5:05 p.m.	2S	CS	Propellant Characterization II: Diagnostics and Control Strategies for Solid Rocket Combustion	Room 108	Open
5:05 - 6:05 p.m.	2S	CS	PANEL MEETING: Kinetics	Room 108	Open
1:30 - 5:05 p.m.	2T	CS	Modeling and Simulation Activities in Axisymmetric Dual-Mode Ramjets	Room 109	Open
1:30 - 6:05 p.m.	2U	APS	Geometry Effects in RDEs	Ballroom E	Open
1:30 - 5:35 p.m.	2V	APS	HIFiRE Flight 2-C	Ballroom F	Open

Schedule Color Key

	Session Details		Closed Meetings
	Panel Meetings		Networking Opportunities

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"Open S" and "Open S *" indicate a Secret session.

SCHEDULE - Wednesday, 9 December**Registration Check-In Desk:**

7:00 a.m. - 5:00 p.m., Convention Center Main Lobby

IT Office: 7:00 a.m. - 5:00 p.m. in Room 101**Morning Sessions:** 8:00 a.m. - 12:20 p.m.**Afternoon Sessions:** 1:30 - 5:35 p.m.**Networking Area Refreshments:**

7:00 - 8:00 a.m. in Grand Ballroom G

9:35 - 10:35 a.m. in Grand Ballroom G

3:05 - 4:05 p.m. in Grand Ballroom G

Lunch Break (On Your Own): 12:00 - 1:30 p.m.

7:15 - 7:30 a.m.	Session Chair Meeting (Wednesday sessions and Thursday AM classified session)			Room 102	Closed
8:00 - 10:05 a.m.	3A Part 1	ESHS	Safety and Hazard Classification of Solid and Liquid Energetics	Room 104-105	Open
10:30 - 11:35 a.m.	3A Part 2	ESHS	Energetic Systems Vulnerability	Room 104-105	Open
8:00 a.m. - 12:00 p.m.	3B	EPSS	SPECIALIST SESSION: EPSS Tutorial: Application of the JANNAF Signatures Suite II - Hypersonic Glide Vehicles	Room 106	Open
8:00 - 11:05 a.m.	3C	APS	Experimentation of Thermal-Structural Components	Room 107	Open *
8:00 - 11:35 a.m.	3D	CS	Advances in RDRE and PDE	Room 108	Open *
8:00 - 11:35 a.m.	3E	CS	Metalized Explosive Development and Characterization	Room 109	Open D
8:00 a.m. - 12:00 p.m.	3F	PIB	SPECIALIST SESSION: National Space Strategies: Access, Mobility, Logistics, and Assembly	Ballroom E	Open
8:00 - 11:35 a.m.	3G	APS	Single and Dual Mode Ramjets	Ballroom F	Open *
8:00 a.m. - 12:20 p.m.	3H	APS	(U) SPECIALIST SESSION: Legacy Scramjet Technology Development Programs	NASA LaRC	Open S
12:00 - 1:30 p.m.	CS Technical Steering Group Meeting			Room 102	Closed
1:30 - 5:35 p.m.	3P	ESHS	Shock Initiation of Explosives	Room 104-105	Open
1:30 - 5:05 p.m.	3Q	ESHS	Thermal Decomposition and Cookoff	Room 106	Open *
1:30 - 4:35 p.m.	3R	APS/MSS	SPECIALIST SESSION: Scramjet/Ramjet Design Tools and Frameworks - II	Room 107	Open
1:30 - 5:35 p.m.	3S	CS	Modeling of Non-Ideal Explosives	Room 108	Open *
1:30 - 5:05 p.m.	3T	CS	Experimental Research Activities in Axisymmetric Dual-Mode Ramjets	Room 109	Open
1:30 - 5:35 p.m.	3U	APS	Solid Fuels	Ballroom E	Open *
1:30 - 5:35 p.m.	3V	APS	Inlets for Combined and Advanced Cycle Propulsion	Ballroom F	Open
1:30 - 4:35 p.m.	3W	APS/EPSS	(U) Hypersonic Inlets, RDEs, and Signatures	NASA LaRC	Open S*
5:30 - 7:00 p.m.	Attendee Networking Hour and Poster Session JANNAF Badge required (this event is for attendees only)			Grand Ballroom G	Open

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SCHEDULE - Thursday, 10 December

Registration Check-In Desk:

7:00 a.m. - 5:00 p.m., Convention Center Main Lobby

IT Office: 7:00 a.m. - 5:00 p.m. in Room 101

Morning Sessions: 8:00 a.m. - 12:15 p.m.

Afternoon Sessions: 1:15 - 6:05 p.m.

Networking Area Refreshments:

7:00 - 8:00 a.m. in Grand Ballroom G

9:35 - 10:35 a.m. in Grand Ballroom G

3:05 - 4:05 p.m. in Grand Ballroom G

Lunch Break (On Your Own): 12:00 - 1:30 p.m.

7:15 - 7:30 a.m.	Session Chair Meeting (Thursday sessions)			Room 102	Closed
8:00 - 11:35 a.m.	4A	ESHS	Explosive Safety, Impact, and Late-time Response	Room 104-105	Open *
8:00 a.m. - 12:05 p.m.	4B	EPSS	Plume / Wake / Hypersonic Flowfield Modeling - I	Room 106	Open *
8:00 a.m. - 12:05 p.m.	4C	APS	Fuels, Structures, and Materials	Room 107	Open *
8:00 a.m. - 12:05 p.m.	4D	CS	Propellant Developments: Measurement and Modeling	Room 108	Open *
8:00 - 11:05 a.m.	4E	CS	Reactive Material Development - I	Room 109	Open *
8:00 a.m. - 12:00 p.m.	4F	APS	SPECIALIST SESSION: Mixed Fuel Ramjet Testing and Analysis - I	Ballroom E	Open B
8:00 a.m. - 12:15 p.m.	4H	APS	(U) SPECIALIST SESSION: Aether DS Subscale Ground Testing and Design/Analysis Studies - I	NASA LaRC	Open S
8:30 - 11:00 a.m.	PIB Large Liquid Propulsion Working Group Meeting			Room 102	Closed
12:00 - 1:30 p.m.	APS Technical Steering Group Meeting			Room 103	Closed
1:00 - 5:30 p.m.	PIB Executive Committee Meeting			Room 102	Closed
1:30 - 5:05 p.m.	4P	ESHS	Explosive Evaluation, Microstructure, and Modeling	Room 104-105	Open *
5:05 - 6:05 p.m.	4P	ESHS	PANEL MEETING: Shock-/Impact-Induced Reactions	Room 104-105	Open
1:30 - 6:05 p.m.	4Q	EPSS	Plume / Wake / Hypersonic Flowfield Modeling - II	Room 106	Open *
1:30 - 6:05 p.m.	4R	APS	Turbopropulsion II: Experimental and Materials	Room 107	Open
1:30 - 6:05 p.m.	4S	CS	Advances in Gun Propulsion	Room 108	Open
1:30 - 3:05 p.m.	4T	CS	Reactive Material Development - II	Room 109	Open
3:05 - 4:05 p.m.	4T	CS	PANEL MEETING: Reactive Material	Room 109	Open
1:30 - 5:00 p.m.	4U	APS	SPECIALIST SESSION: Mixed Fuel Ramjet Testing and Analysis - II	Ballroom E	Open B
1:30 - 5:35 p.m.	4V	APS	Fuel Mixing and Flame Holding in RDEs	Ballroom F	Open *
1:15 - 5:00 p.m.	4W	APS	(U) SPECIALIST SESSION: Aether DS Subscale Ground Testing and Design/Analysis Studies - II	NASA LaRC	Open S
6:00 - 8:00 p.m.	ESHS Technical Steering Group Meeting			Room 103	Closed
6:30 - 8:30 p.m.	EPSS Technical Steering Group Meeting			Room 102	Closed

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SCHEDULE - Friday, 11 December**Registration Check-In Desk:**

7:00 a.m. - 5:00 p.m., Convention Center Main Lobby

IT Office: 7:00 a.m. - 5:00 p.m. in Room 101**Morning Sessions:** 8:00 a.m. - 12:05 p.m.**Afternoon Sessions:** 1:30 - 6:05 p.m.**Networking Area Refreshments:**

7:00 - 8:00 a.m. in Grand Ballroom G

9:35 - 10:35 a.m. in Grand Ballroom G

3:05 - 4:05 p.m. in Grand Ballroom G

Lunch Break (On Your Own): 12:00 - 1:30 p.m.

7:15 - 7:30 a.m.	Session Chair Meeting (Friday sessions)			Room 102	Closed
8:00 - 10:05 a.m.	5A	ESHS	Energetic Defect Characterization	Room 104-105	Open *
10:05 - 11:05 a.m.	5A	ESHS	PANEL MEETING: Energetic Defect Characterization for Performance	Room 104-105	Open
8:00 a.m. - 12:00 p.m.	5B	EPSS	SPECIALIST SESSION: EPSS Tutorial: Advanced Diagnostic Capabilities for Making Detailed Validation Measurements	Room 106	Open
8:00 - 10:05 a.m.	5C	APS	Component Level and Experimental Aerodynamics	Room 107	Open
8:00 a.m. - 12:05 p.m.	5D	CS	Combustion Diagnostic Techniques and Sensors	Room 108	Open
8:00 - 10:05 a.m.	5E	CS	Propulsion System Modeling and Machine Learning	Room 109	Open
10:05 - 11:05 a.m.	5E	CS	PANEL MEETING: Modeling Propulsion Systems and Propellants	Room 109	Open
8:00 a.m. - 11:35 a.m.	5F	APS	RDE System Performance and Modeling	Ballroom E	Open
8:00 a.m. - 12:05 p.m.	5G	APS	Applied CFD and Modeling	Ballroom F	Open *
9:15 - 11:15 a.m.	ECWG NASA 8' Wind Tunnel Tour Bus Departure from/Return to Convention Center			Outside HRCC Exhibit Hall A	Ticket Required
10:15 a.m. - 12:15 p.m.	ECWG NASA 8' Wind Tunnel Tour Bus Departure from/Return to Convention Center			Outside HRCC Exhibit Hall A	Ticket Required
1:30 - 5:05 p.m.	5P	ESHS	Insensitive Munitions	Room 104-105	Open *
5:05 - 6:05 p.m.	5P	ESHS	PANEL MEETING: Insensitive Munitions	Room 104-105	Open
1:30 - 4:00 p.m.	5S	CS	SPECIALIST SESSION: Effective Use of AI/ML for Increased Efficiency in Combustion Diagnostic Testing, Analysis, and Modeling	Room 108	Open
1:30 - 5:35 p.m.	5U	APS	Ground Testing	Ballroom E	Open
1:30 - 6:05 p.m.	5V	APS	CMC Propulsion Applications and Material Development	Ballroom F	Open *

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A note about Author Lists

Session agendas provided in the Preliminary Program list the primary author only unless the primary author is not the presenter. In that case, both the primary author and presenter are listed.

The full author lists will be included on the papers in the virtual Reading Room during the meeting, and in JDOC once papers have been published.