

## Schedule at a Glance

**72<sup>nd</sup> JPM | PIB Meeting | 53<sup>rd</sup> CS | 41<sup>st</sup> APS  
41<sup>st</sup> EPSS | 35<sup>th</sup> ESHS | 19<sup>th</sup> MSS | 15<sup>th</sup> LPS | 14<sup>th</sup> SPS  
Joint Subcommittee Meeting**

26 - 30 January 2026 | Spokane, WA



Image Credit: Lockheed Martin

## TECHNICAL PROGRAM

This year's technical program currently consists of more than 400 presentations in 92 technical sessions; 21 specialist sessions; six workshops; a poster session, and keynote; plus 15 panel meetings and one town hall meeting. A detailed daily schedule of all sessions, workshops, meetings, and networking activities is provided below and continues through page 33. Detailed agendas of the technical sessions, specialist sessions, and workshops are listed in the Preliminary Program (login required), available on the [Agenda tab](#) of the meeting webpage.

Please note that the agendas of 29 sessions begin with at least one presentation that is restricted at either distribution statement B (U.S. 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 33 with "Open \*". Please review the detailed session agendas on pages 34 - 148 of 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.

### 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 (p. 24-33) for panel meetings that align with your interests.

### SCHEDULE - Sunday, 25 January

On-Site Check-In and Registration Desk:

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

6:00 p.m. - 7:00 p.m.	Early Career Working Group Meeting	Conference Theater	Open
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### Schedule Color Key

Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
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"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, 26 January - Morning Sessions**

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Morning Sessions: 8:00 a.m. - 12:05 p.m.  
Afternoon Sessions: 1:30 - 6:05 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Ballroom 111A  
9:35 - 10:35 a.m. in Ballroom 111A  
3:05 - 4:05 p.m. in Ballroom 111A

7:15 a.m. - 7:30 a.m.	Session Chair Meeting (all Monday sessions)			Room 102AB	Closed
8:00 a.m. - 12:05 p.m.	1A	CS	Combustion of Solid Fuels for Ramjet Applications	Room 201	Open *
8:00 a.m. - 10:05 a.m.	1B	JPM	Propulsion Systems for Space Access - I	Room 202AB	Open
8:00 a.m. - 11:05 p.m.	1C	APS	Additively Manufactured Components: Characterization and Applications	Room 205	Open *
8:00 a.m. - 12:00 p.m.	1D	APS	SPECIALIST SESSION: Overview of Propulsion Research Plans from Government Laboratories	Room 206A	Open
8:00 a.m. - 12:05 p.m.	1E	APS	Scramjet Combustion Experiments	Room 206B	Open *
8:00 a.m. - 12:05 p.m.	1F	EPSS	Plume / Wake / Hypersonic Flowfield Measurements	Room 206C	Open
8:00 a.m. - 11:05 a.m.	1G	MSS	Simulation Credibility: Verification, Validation, and Uncertainty Quantification	Room 206D	Open *
8:00 a.m. - 10:00 a.m.	1H Part 1	ESHS	PANEL MEETING: Insensitive Munitions: The Present and the Future	Room 207	Open
10:00 a.m. - 11:05 a.m.	1H Part 2	ESHS	Thermal Decomposition and Cookoff	Room 207	Open *
11:05 a.m. - 12:05 p.m.	1H Part 3	ESHS	Combustion Vulnerability of Stowed Energetics	Room 207	Open
8:00 a.m. - 11:05 a.m.	1I	APS	RDE Combustor Modeling	Conference Theater	Open
8:00 a.m. - 12:00 p.m.	1J	SPS	SPECIALIST SESSION: Nuclear Electric Propulsion Project Updates	Room 102AB	Open
8:00 a.m. - 12:05 p.m.	1K	SPS	Alternate Propellant Cathode Technology Research and Development	Room 102CD	Open

**Schedule Color Key**

Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
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### SCHEDULE - Monday, 26 January - Afternoon Sessions

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Morning Sessions: 8:00 - 12:05 p.m.  
Afternoon Sessions: 1:30 - 6:05 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Ballroom 111A  
9:35 - 10:35 a.m. in Ballroom 111A  
3:05 - 4:05 p.m. in Ballroom 111A

1:30 p.m. - 5:05 p.m.	1N	CS	Reactive Materials	Room 201	Open D
5:05 p.m. - 6:05 p.m.	1N	CS	PANEL MEETING: Reactive Materials	Room 201	Open D
1:30 p.m. - 3:35 p.m.	1O	JPM	Propulsion Systems for Space Access - II	Room 202AB	Open
1:30 p.m. - 6:05 p.m.	1P	APS	Ramjet Analysis	Room 205	Open
1:30 p.m. - 6:05 p.m.	1Q	APS	HIFIRE Flight 2-C Technology	Room 206A	Open
1:30 p.m. - 5:35 p.m.	1R	APS	RDE-Airframe Integration	Room 206B	Open
1:30 p.m. - 5:35 p.m.	1S	EPSS	Plume / Wake / Hypersonic Flowfield Modeling - I	Room 206C	Open
1:30 p.m. - 4:35 p.m.	1T	MSS	Propulsion Modeling	Room 206D	Open *
4:35 p.m. - 5:05 p.m.	1T	MSS	PANEL MEETING: Model Based Engineering	Room 206D	Open
1:30 p.m. - 2:00 p.m.	1U Part 1	ESHS	PANEL MEETING: Cookoff	Room 207	Open
2:00 p.m. - 6:00 p.m.	1U Part 2	ESHS	WORKSHOP: Cook-off: Design Challenges and Technology for Affordable Testing (Propane and SCO)	Room 207	Open
1:30 p.m. - 5:35 p.m.	1V	APS	Hydrocarbon Fuels for Hypersonic Applications	Conference Theater	Open *
1:30 p.m. - 5:05 p.m.	1W	LPS	RDRE - I	Room 102AB	Open
1:30 p.m. - 3:35 p.m.	1X Part 1	SPS	Electric Propulsion Mission Application Studies	Room 102CD	Open
4:00 p.m. - 5:35 p.m.	1X Part 2	SPS	Advanced Electric Propulsion Diagnostics Development	Room 102CD	Open
1:30 p.m. - 5:05 p.m.	1Z	APS	(U) Advancements in High Speed Propulsion and System Design	Fairchild AFB	Open S*

### Schedule Color Key

Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
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"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 - Tuesday, 27 January - Morning Sessions**

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Keynote Address: 8:00 - 9:30 a.m.  
Morning Sessions: 10:00 a.m. - 12:05 p.m.  
Afternoon Sessions: 1:30 p.m. - 6:40 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Ballroom 111A  
9:30 - 10:00 a.m. in Ballroom 111A  
3:05 - 4:05 p.m. in Ballroom 111A

7:15 a.m. - 7:30 a.m.	Session Chair Meeting (Tuesday sessions and Wednesday AM classified session)			Room 102AB	Closed
8:00 a.m. - 9:30 a.m.	KEYNOTE ADDRESS: Dr. James Weber, <i>Invited</i> - Office of the Under Secretary of Defense for Research and Engineering. Awards and Announcements			University Ballroom	Open
10:00 a.m. - 5:00 p.m.	JANNAF Technical Executive Committee Meeting			Room 101	Closed
10:00 a.m. - 12:05 p.m.	2A	CS	Combustion Junction, What's That Function	Room 201	Open
10:00 a.m. - 12:05 p.m.	2B	JPM	Propulsion System Materials and Design	Room 202AB	Open
10:00 a.m. - 12:05 p.m.	2C	APS	Design Concepts for Inlets/Aeropropulsion	Room 205	Open
10:00 a.m. - 12:05 p.m.	2D	APS	Variable Geometry Applications	Room 206A	Open
10:00 a.m. - 11:35 a.m.	2E	APS	High-Speed Flow Physics	Room 206B	Open
10:00 a.m. - 12:05 p.m.	2F	EPSS	Plume / Wake / Hypersonic Topics	Room 206C	Open
10:00 a.m. - 11:05 a.m.	2G	MSS	Forecasting Aging in Solid Rocket Propellants	Room 206D	Open
11:05 a.m. - 11:35 a.m.	2G	MSS	PANEL MEETING: Integrated Health Management	Room 206D	Open
10:00 a.m. - 11:35 a.m.	2H	ESHS	Liquid and Solid Propellant Safety Testing	Room 207	Open
11:35 a.m. - 12:05 p.m.	2H	ESHS	PANEL MEETING: Status of Energetic Liquids Standards	Room 207	Open
10:00 a.m. - 12:00 p.m.	2I	APS	SPECIALIST SESSION: University Consortium of Applied Hypersonics (UCAH) Graduate Student Presentations - I	Conference Theater	Open
10:00 a.m. - 11:35 a.m.	2J	LPS	Propellant Characterization and Performance	Room 102AB	Open
10:00 a.m. - 12:00 p.m.	2K	SPS	WORKSHOP: Electric Propulsion Operation in the Space Environment and Facility Interactions VIII (EPOSE VIII) - I	Room 102CD	Open
10:00 a.m. - 12:05 p.m.	2L	SPS	Micro/Nano Spacecraft and MicroNewton Propulsion - I	Ballroom 111C	Open

**Schedule Color Key**

Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
"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 - Tuesday, 27 January - Afternoon Sessions

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Keynote Address: 8:00 - 9:30 a.m.  
Morning Sessions: 10:00 a.m. - 12:05 p.m.  
Afternoon Sessions: 1:30 - 6:40 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Lakeshore Ballroom II-IV  
9:30 - 10:00 a.m. in Lakeshore Ballroom II-IV  
3:05 - 4:05 p.m. in Lakeshore Ballroom II-IV

12:00 p.m. - 1:00 p.m.	APS Technical Steering Group Meeting			Room 202C	Closed
1:30 p.m. - 3:35 p.m.	2N	CS	Applied Combustion Diagnostics and Predictive Model Validation Iy	Room 201	Open
3:35 p.m. - 3:55 p.m.	2N	CS	PANEL MEETING: Diagnostics	Room 201	Open
1:30 p.m. - 5:05 p.m.	2O	JPM	Advanced Space and Missile Systems	Room 202AB	Open *
1:30 p.m. - 6:05 p.m.	2P	APS	Ramjet Design	Room 205	Open
1:30 p.m. - 5:35 p.m.	2Q	APS	Approaches and Applications and RANS CFD	Room 206A	Open
2:05 p.m. - 3:35 p.m.	2R Part 1	APS	Rotating Detonation Rocket Engines and RBCC Systems	Room 206B	Open
4:00 p.m. - 6:05 p.m.	2R Part 2	APS	RDE Ramjet/Augmentors	Room 206B	Open
1:30 p.m. - 5:30 p.m.	2S	EPSS	SPECIALIST SESSION: EPSS Tutorial: How to Use the JANNAF PWH Codes - Recommended Practices	Room 206C	Open
1:30 p.m. - 3:35 p.m.	2T	MSS	Model-Based Approaches for Propulsion Testing	Room 206D	Open
3:35 p.m. - 4:05 p.m.	2T	MSS	PANEL MEETING: Advancing Digital Engineering for Propulsion System Testing	Room 206D	Open
1:30 p.m. - 4:35 p.m.	2U	ESHS	Detonation Physics - I	Room 207	Open *
4:35 p.m. - 5:35 p.m.	2U	ESHS	PANEL MEETING: Shock/Impact-Induced Reactions	Room 207	Open
1:30 p.m. - 6:00 p.m.	2V	APS	SPECIALIST SESSION: University Consortium of Applied Hypersonics (UCAH) Graduate Student Presentations - II	Conference Theater	Open
1:30 p.m. - 6:05 p.m.	2W	LPS	Liquid Propellant Feed and Pressurization Systems	Room 102AB	Open
1:30 p.m. - 5:35 p.m.	2X	SPS	Research and Development of Electric Propulsion with ASCENT Propellant	Room 102CD	Open
1:30 p.m. - 6:05 p.m.	2Y	SPS	Advanced Propulsion	Ballroom 111C	Open
1:30 p.m. - 6:40 p.m.	2Z	APS	(U) SPECIALIST SESSION: MOHAWC: More Opportunities for Hypersonic Air-breathing Weapon Concept	Fairchild AFB	Open S
5:30 p.m. - 7:00 p.m.	JPM/CS/APS/EPSS/ ESHS/MSS/SPS		Poster Session - Authors will be present during this time. Posters will remain on display until Wednesday at 7:00 p.m.	Ballroom 111B	Open

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**SCHEDULE - Wednesday, 28 January - Morning Sessions**

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Morning Sessions: 8:00 a.m. - 12:05 p.m.  
Afternoon Sessions: 1:30 - 6:05 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Ballroom 111A  
9:35 - 10:35 a.m. in Ballroom 111A  
3:05 - 4:05 p.m. in Ballroom 111A

7:15 a.m. - 7:30 a.m.	Session Chair Meeting (all Wednesday sessions and Thursday AM classified session)			Room 102AB	Closed
8:00 a.m. - 12:05 p.m.	3A	CS/APS	Experimental and Numerical Research on Scramjet Flameholding and Operability	Room 201	Open
8:00 a.m. - 11:35 a.m.	3B	JPM	Propulsion System Development and Analysis - I	Room 202AB	Open *
8:00 a.m. - 11:35 a.m.	3C	APS	Airbreathing Turbopropulsion - I	Room 205	Open
8:00 a.m. - 11:35 a.m.	3D	APS	Thermal Management and FTSL	Room 206A	Open
8:00 a.m. - 12:05 p.m.	3E	SPS	Traditional Propellant Systems	Room 206B	Open
8:00 a.m. - 12:00 p.m.	3F	PIB	SPECIALIST SESSION: National Space Strategies: Access, Mobility, Logistics, and Assembly	Room 206C	Open
8:00 a.m. - 12:00 p.m.	3G	MSS	WORKSHOP: Code Credibility: Uncertainty Quantification Using Probability Boxes	Room 206D	Open
8:00 a.m. - 11:35 a.m.	3H	ESHS	Mesoscale to Continuum Theory, Modeling, and Experimentation - I	Room 207	Open D
8:00 a.m. - 12:00 p.m.	3I	JPM	SPECIALIST SESSION: US Test Facilities: USG, Commercial, Academia - I	Conference Theater	Open
8:00 a.m. - 12:05 p.m.	3J	LPS	RDRE - II	Room 102AB	Open *
8:00 a.m. - 12:00 p.m.	3K	SPS	WORKSHOP: Electric Propulsion Operation in the Space Environment and Facility Interactions VIII (EPOSE VIII) - II	Room 102CD	Open
8:00 a.m. - 12:05 p.m.	3M	EPSS	(U) Plume / Wake / Hypersonic Radiation and Signatures	Fairchild AFB	Open S

**Schedule Color Key**

Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
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### SCHEDULE - Wednesday, 28 January - Afternoon Sessions

On-Site Check-In and Registration Desk: 7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby IT Office: 7:00 a.m. - 5:00 p.m. in Room 203				Morning Sessions: 8:00 a.m. - 12:05 p.m. Afternoon Sessions: 1:30 - 6:05 p.m. Lunch Break (On Your Own): 12:00 - 1:30 p.m.		Networking Area Refreshments: 7:00 - 8:00 a.m. in Ballroom 111A 9:35 - 10:35 a.m. in Ballroom 111A 3:05 - 4:05 p.m. in Ballroom 111A	
12:00 p.m. - 1:20 p.m.	LPS Technical Steering Group Meeting					Room 101	Closed
12:00 p.m. - 1:20 p.m.	MSS Technical Steering Group Meeting					Room 202C	Closed
12:00 p.m. - 1:20 p.m.	SPS Technical Steering Group Meeting					Room 204	Closed
1:30 p.m. - 4:35 p.m.	3N	CS	Liquid Fuel Injection and Combustion in High-Speed Flows			Room 201	Open
1:30 p.m. - 4:35 p.m.	3O	JPM	Sensors and Measurements for Propulsion Application			Room 202AB	Open *
1:30 p.m. - 5:05 p.m.	3P	APS	High-Temperature Materials and Applications			Room 205	Open *
1:30 p.m. - 3:35 p.m.	3Q	LPS	Propulsion-Induced Environments - Plume Surface Interaction			Room 206A	Open
1:30 p.m. - 3:35 p.m.	3R Part 1	APS	Experimental Techniques			Room 206B	Open
4:00 p.m. - 5:35 p.m.	3R Part 2	APS	High-Speed Inlets			Room 206B	Open
1:30 p.m. - 5:30 p.m.	3S	EPSS	SPECIALIST SESSION: EPSS/CS/APS Interagency Forum - The JANNAF Thermochemical/Kinetics Database Project			Room 206C	Open
5:30 p.m. - 5:50 p.m.	3S	CS	PANEL MEETING: Kinetics			Room 206C	Open
1:30 p.m. - 3:35 p.m.	3T Part 1	MSS	Machine Learning			Room 206D	Open *
4:00 p.m. - 6:05 p.m.	3T Part 2	MSS	High Velocity and Energetic Modeling			Room 206D	Open *
1:30 p.m. - 6:05 p.m.	3U	ESHS	Mesoscale to Continuum Theory, Modeling, and Experimentation - II			Room 207	Open *
1:30 p.m. - 5:30 p.m.	3V	JPM	SPECIALIST SESSION: US Test Facilities: USG, Commercial, Academia - II			Conference Theater	Open
1:30 p.m. - 3:35 p.m.	3W Part 1	LPS	Combustion Dynamics			Room 102AB	Open
4:00 p.m. - 5:35 p.m.	3W Part 2	LPS	Injector Design and Development			Room 102AB	Open
1:30 p.m. - 6:05 p.m.	3X	SPS	High Power Hall Thruster Research and Development			Room 102CD	Open
1:30 p.m. - 5:00 p.m.	3Z	APS	(U) SPECIALIST SESSION: HAWC: Hypersonic Air-breathing Weapon Concept			Fairchild AFB	Open S
5:30 p.m. - 7:00 p.m.	Attendee Networking Hour - JANNAF Badge required (this event is for attendees only)					Ballroom 111A	Open

#### Schedule Color Key

	Session Details		Panel Meetings		Closed Meetings		Networking Opportunities
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### SCHEDULE - Thursday, 29 January - Afternoon Sessions

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Morning Sessions: 8:00 a.m. - 12:15 p.m.  
Afternoon Sessions: 1:30 - 6:05 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Ballroom 111A  
9:35 - 10:35 a.m. in Ballroom 111A  
3:05 - 4:05 p.m. in Ballroom 111A

1:00 p.m. - 5:00 p.m.	PIB Executive Committee Meeting			Room 101	Closed
12:00 p.m. - 1:20 p.m.	JPM Program Committee Meeting			Room 202C	Closed
1:30 p.m. - 6:05 p.m.	4N	CS	Combined Effects and Blast Effects Explosives	Room 201	Open *
1:30 p.m. - 5:05 p.m.	4O	JPM/CS	Propellants and Propelling Charges for Solid Propellant Guns	Room 202AB	Open
5:05 p.m. - 5:35 p.m.	4O	CS	TOWN HALL MEETING: Guns	Room 202AB	Open
1:30 p.m. - 5:35 p.m.	4P	APS	SPECIALIST SESSION: Heat Pipes and High Speed Systems - II	Room 205	Open
1:30 p.m. - 6:05 p.m.	4Q	APS	Ramjet Fuels and Materials	Room 206A	Open *
1:30 p.m. - 5:35 p.m.	4R	APS	RDE Combustor Testing	Room 206B	Open *
1:30 p.m. - 5:05 p.m.	4S	EPSS	Composite Scene Signatures of Plume / Wake / Hypersonic Flowfield and Hardbody Configurations	Room 206C	Open *
1:30 p.m. - 5:35 p.m.	4T	APS	Scale Resolving CFD	Room 206D	Open
1:30 p.m. - 3:35 p.m.	4U	ESHS	Multi-Scaled Experimental Testing, Modeling, and Data Correlation	Room 207	Open *
3:35 p.m. - 4:35 p.m.	4U	ESHS	PANEL MEETING: Energetic Defect Characterization Multi-Scale: Experimental Capabilities and Data Correlation	Room 207	Open
1:30 p.m. - 5:30 p.m.	4V	MSS/ PEDCS	WORKSHOP: Hydrocodes Modernization - II	Conference Theater	Open
1:30 p.m. - 6:05 p.m.	4W	LPS	Liquid Rocket Engines	Room 102AB	Open
1:30 p.m. - 3:05 p.m.	4X Part 1	SPS	Other Propellants	Room 102CD	Open
3:30 p.m. - 6:05 p.m.	4X Part 2	SPS	ASCENT	Room 102CD	Open
6:30 p.m. - 8:30 p.m.	EPSS Technical Steering Group Meeting			Doubletree Parkside	Closed
7:00 p.m. - 9:00 p.m.	ESHS Technical Steering Group Meeting			Doubletree Shades	Closed

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Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
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"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 - Friday, 30 January - Morning and Afternoon Sessions**

On-Site Check-In and Registration Desk:  
7:00 a.m. - 5:00 p.m., Convention Center Riverview Lobby  
IT Office: 7:00 a.m. - 5:00 p.m. in Room 203

Morning Sessions: 8:00 a.m. - 12:35 p.m.  
Afternoon Sessions: 1:30 - 5:30 p.m.  
Lunch Break (On Your Own): 12:00 - 1:30 p.m.

Networking Area Refreshments:  
7:00 - 8:00 a.m. in Ballroom 111A  
9:35 - 10:35 a.m. in Ballroom 111A  
3:05 - 4:05 p.m. in Ballroom 111A

7:15 a.m. - 7:30 a.m.	Session Chair Meeting (all Friday sessions)			Room 102AB	Closed
8:00 a.m. - 10:05 a.m.	5A	CS	Combustion Diagnostics Development and Applications	Room 201	Open
8:00 a.m. - 11:35 a.m.	5B	JPM	Propulsion System Development and Analysis - II	Room 202AB	Open *
8:00 a.m. - 12:05 p.m.	5C	APS	SPECIALIST SESSION: Heat Pipes and High Speed Systems - III	Room 205	Open
8:00 a.m. - 12:05 p.m.	5D	LPS	RDRE - IV	Room 206A	Open
12:05 p.m. - 12:35 p.m.	5D	LPS	PANEL MEETING: Rotating Detonation Rocket Engine	Room 206A	Open
8:00 a.m. - 11:05 a.m.	5E	SPS	Hall and Ion Thruster Modeling and Simulation	Room 206B	Open
11:05 a.m. - 12:05 a.m.	5E	SPS	PANEL MEETING: Electric Propulsion	Room 206B	Open
8:00 a.m. - 12:00 p.m.	5F	LPS	SPECIALIST SESSION: Additive Manufacturing Design for Propulsion Applications	Room 206C	Open
8:00 a.m. - 11:35 a.m.	5M	APS	(U) SPECIALIST SESSION: Hypersonic Programs Overview	Fairchild AFB	Open S
1:30 p.m. - 3:05 p.m.	5N Part 1	CS	Combustion and Modeling of Nitrates	Room 201	Open
3:30 p.m. - 4:35 p.m.	5N Part 2	CS	Metal Particle Combustion, Enhancement, and Lethality	Room 201	Open
1:30 p.m. - 5:05 p.m.	5O	JPM	Propulsion and Energetics Test Facility	Room 202AB	Open
1:30 p.m. - 4:00 p.m.	5P	APS	SPECIALIST SESSION: MSCC Program Updates	Room 205	Open
1:30 p.m. - 4:35 p.m.	5Q	APS	Oblique Detonation Engines and Uncertainty Quantification	Room 206A	Open
1:30 p.m. - 4:35 p.m.	5R	APS	Turbine-based Combined Cycles	Room 206B	Open
1:30 p.m. - 5:30 p.m.	5S	EPSS	SPECIALIST SESSION: EPSS Tutorial: Advanced Diagnostic Capabilities to Obtain Detailed Validation Measurements	Room 206C	Open
1:30 p.m. - 5:30 p.m.	5T	LPS	SPECIALIST SESSION: Rotating Detonation Rocket Engine Thermal Management Challenges and Solutions	Room 206D	Open
1:30 p.m. - 3:05 p.m.	5V	APS	High-Speed Aerodynamics	Conference Theater	Open

**Schedule Color Key**

Session Details	Panel Meetings	Closed Meetings	Networking Opportunities
"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.			