

# JANNAF JPM/PIB/MSS/LPS/SPS

## 7 – 17 JUNE 2021

### SCHEDULE AT A GLANCE

This year’s technical program currently consists of more than 150 presentations in 24 technical sessions, 3 specialist sessions, and 4 workshops, plus 7 panel meetings. A detailed daily schedule of all sessions, specialist sessions, meetings, and networking activities is provided below. Detailed agendas of the technical sessions, workshops, and specialist sessions, if known, are listed in the Preliminary Program beginning on page 20 (login to your JANNAF Portal account is required for access).

A Schedule Color Key has been provided on pages 1 and 2.

SCHEDULE - Monday, 7 June					
All Times Listed Are Eastern Daylight Time					
10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
10:00 a.m. - 24 hours/day	Virtual Reading Room				
<b>11:00 a.m. - 2:30 p.m.</b>	<b>Monday Workshop and Technical Sessions</b>				
11:00 a.m. - 2:30 p.m.	IB	SPS	WORKSHOP: Status of Hydrazine and MMH	DCS “Room” 2	Open
11:00 a.m. - 2:05 p.m.	IC	LPS	Advancements in Liquid Engine Systems	DCS “Room” 3	Open
11:30 a.m. - 12:35 p.m.	ID	JPM	High-Speed Propulsion Technologies	DCS “Room” 4	Open
12:05 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS “Room”	Open

SCHEDULE - Tuesday, 8 June					
All Times Listed Are Eastern Daylight Time					
8:30 a.m. - 9:30 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Keynote Presentation				
24 hours/day	Virtual Reading Room				
9:30 a.m. - 10:45 a.m.	KEYNOTE ADDRESS: Ms. Lakiesha Hawkins, NASA Marshall Space Flight Center JANNAF Announcements and Awards			DCS “Room” 5	Open
10:30 a.m. - 11:00 a.m.	Login to Technical Session of Choice				
<b>11:00 a.m. - 2:35 p.m.</b>	<b>Tuesday Specialist Session, Technical Sessions, and Panel Meeting</b>				
11:00 a.m. - 12:00 p.m.	2A	MSS	MSS Plenary	DCS “Room” 1	Open
11:00 a.m. - 12:35 p.m.	2B	SPS	Advanced Propulsion	DCS “Room” 2	Open
11:00 a.m. - 1:35 p.m.	2C	LPS	Propellant Characterization and Performance	DCS “Room” 3	Open
1:35 p.m. - 2:35 p.m.	2C	LPS	PANEL MEETING: Combustion Stability	DCS “Room” 3	Open
11:00 a.m. - 1:35 p.m.	2D	JPM	Future Space Access	DCS “Room” 4	Open
12:05 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS “Room”	Open

Schedule Color Key			
	Meeting Services		Concurrent Sessions or Panel Meetings
	Networking Opportunities		Session Details
	Closed Meetings		Panel Meetings

**SCHEDULE - Wednesday, 9 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
24 hours/day	Virtual Reading Room				
<b>11:00 a.m. - 3:30 p.m.</b>	<b>Wednesday Workshop and Technical Sessions</b>				
11:00 a.m. - 3:30 p.m.	3A	SPS	WORKSHOP: Discernment of a Joint Approach to Identify and Select Advanced Concepts for Transformative Impact	DCS "Room" 1	Open
11:00 a.m. - 2:05 p.m.	3B	SPS	Spacecraft Liquid Chemical Propulsion Analysis	DCS "Room" 2	Open
11:00 a.m. - 2:05 p.m.	3C	LPS	Advanced Engine Component Simulation and Testing	DCS "Room" 3	Open
11:00 a.m. - 12:35 p.m.	3D	JPM	Tactical Solid Rocket Motor Developments	DCS "Room" 4	Open
12:05 p.m. or 12:35 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS "Room"	Open

**SCHEDULE - Thursday, 10 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
24 hours/day	Virtual Reading Room				
<b>11:00 a.m. - 4:35 p.m.</b>	<b>Thursday Technical Sessions, Specialist Session, and Panel Meetings</b>				
11:00 a.m. - 3:30 p.m.	4A	MSS	SPECIALIST SESSION: Primer for Uncertainty Quantification Using the Probability Box Approach	DCS "Room" 1	Open
3:30 p.m. - 4:00 p.m.	4A	MSS	PANEL MEETING: Simulation Credibility - Uncertainty, Verification, Validation and Risk	DCS "Room" 1	Open
11:00 a.m. - 3:05 p.m.	4B	SPS	Electric Propulsion Activities	DCS "Room" 2	Open
3:05 p.m. - 4:35 p.m.	4B	SPS	PANEL MEETING: Electric Propulsion	DCS "Room" 2	Open
11:00 a.m. - 3:05 p.m.	4C	LPS	Rotating Detonation Engines	DCS "Room" 3	Open
3:05 p.m. - 3:50 p.m.	4C	LPS	PANEL MEETING: Rotating Detonation Rocket Engine	DCS "Room" 3	Open
12:35 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS "Room"	Open

**SCHEDULE - Friday, 11 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
24 hours/day	Virtual Reading Room				
<b>11:00 a.m. - 3:15 p.m.</b>	<b>Friday Technical Sessions</b>				
11:00 a.m. - 12:05 p.m.	5A Part 1	MSS	Simulation Credibility: Model Validation	DCS "Room" 1	Open
12:30 p.m. - 2:05 p.m.	5A Part 2	MSS	Investigations into Reactive Flow and Thermal Systems	DCS "Room" 1	Open
11:00 a.m. - 2:35 p.m.	5B	SPS	Cube / Nano Satellite Propulsion	DCS "Room" 2	Open
11:00 a.m. - 2:05 p.m.	5C	LPS	Additively Manufactured Component Development and Test	DCS "Room" 3	Open
11:00 a.m. - 3:15 p.m.	5D	PIB	Launch Vehicle Reusability	DCS "Room" 4	Open
12:05 p.m. or 12:35 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS "Room"	Open

**Schedule Color Key**

Meeting Services	Concurrent Sessions or Panel Meetings
Networking Opportunities	Session Details
Closed Meetings	Panel Meetings

**SCHEDULE - Monday, 14 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
24 hours/day	Virtual Reading Room				
<b>11:00 a.m. - 3:35 p.m.</b>	<b>Monday Technical Sessions, Panel Meeting, and Workshop</b>				
11:00 a.m. - 1:35 p.m.	6A	MSS	Modeling and Simulation of System Autonomy and Control	DCS "Room" 1	Open
1:35 p.m. - 2:35 p.m.	6A	MSS	PANEL MEETING: Modeling and Simulation of System Autonomy	DCS "Room" 1	Open
11:00 a.m. - 3:35 p.m.	6B	SPS	WORKSHOP: Electric Propulsion Operation in the Space Environment and Facility Interactions (EPOSEV)	DCS "Room" 2	Open
11:00 a.m. - 2:05 p.m.	6C	LPS	Engine Component Modeling and Test	DCS "Room" 3	Open
11:00 a.m. - 3:05 p.m.	6D	JPM	Gun and Gun-Launched Propulsion	DCS "Room" 4	Open
12:05 p.m. or 12:35 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS "Room"	Open

**SCHEDULE - Tuesday, 15 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
24 hours/day	Virtual Reading Room				
<b>11:00 a.m. 3:05 p.m.</b>	<b>Tuesday Specialist Session, Technical Sessions, and Panel Meeting</b>				
11:00 a.m. - 2:30 p.m.	7A	MSS	SPECIALIST SESSION: MSS Tool Demonstrations	DCS "Room" 1	Open
11:00 a.m. - 2:05 p.m.	7B	SPS	Nuclear Propulsion - I	DCS "Room" 2	Open
11:00 a.m. - 1:35 p.m.	7C	LPS	Liquid Propellant Feed and Pressurization Systems	DCS "Room" 3	Open
1:35 p.m. - 2:35 p.m.	7C	LPS	PANEL MEETING: Turbomachinery	DCS "Room" 3	Open
11:00 a.m. - 3:05 p.m.	7D	LPS	Advanced Materials and Processes for Liquid Propulsion Systems - I	DCS "Room" 4	Open
12:35 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS "Room"	Open

**SCHEDULE - Wednesday, 16 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agendas, Links/Call-in Info and Login to Session of Choice				
24 hours/day	Virtual Reading Room				
<b>11:00 a.m. - 2:50 p.m.</b>	<b>Wednesday Technical Sessions and Panel Meeting</b>				
11:00 a.m. - 12:05 p.m.	8A	MSS	Fluid Analyses of Supersonic and Space System Components	DCS "Room" 1	Open
11:00 a.m. - 2:35 p.m.	8B	SPS	Nuclear Propulsion - II	DCS "Room" 2	Open
11:00 a.m. - 2:05 p.m.	8C	LPS	Advanced Materials and Processes for Liquid Propulsion Systems - II	DCS "Room" 3	Open
2:05 p.m. - 2:50 p.m.	8C	LPS	PANEL MEETING: Advanced Materials and Processes for Liquid Propulsion Systems	DCS "Room" 3	Open
12:05 p.m. or 12:35 p.m.	Session Break (most sessions - see session agendas)				
As Time Permits	Networking and Open Discussion after Sessions			Each DCS "Room"	Open

**SCHEDULE - Thursday, 17 June**  
**All Times Listed Are Eastern Daylight Time**

10:00 a.m. - 11:00 a.m.	Download DCS Session Agenda, Link/Call-in Info and Login to Session				
12:00 a.m. - 3:05 p.m.	Virtual Reading Room				
<b>11:00 a.m. - 3:20 p.m.</b>	<b>Thursday Workshop</b>				
11:00 a.m. - 3:20 p.m.	9B	SPS	WORKSHOP: Flight Qualification Requirements for NTP- and NEP-Powered Human Mars Missions	DCS "Room" 2	Open
12:05 p.m. or 12:35 p.m.	Session Break				
As Time Permits	Networking and Open Discussion after Session			Each DCS "Room"	Open