



JANNAF INTERAGENCY PROPULSION COMMITTEE
JOINT ARMY-NAVY-NASA-AIR FORCE

ANNOUNCEMENT & CALL FOR PAPERS

PIB Addendum

PIB (only) ABSTRACT DEADLINE: 26 MARCH 2021

7-17 JUNE 2021 // VIRTUAL EDITION

68th JANNAF Propulsion Meeting (JPM)

Programmatic & Industrial Base Meeting (PIB)

15th Modeling and Simulation (MSS)

12th Liquid Propulsion (LPS)

11th Spacecraft Propulsion (SPS)

JOINT SUBCOMMITTEE MEETING



Image Credit: NASA

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The June 2021 meeting of the Joint Army-Navy-NASA-Air Force (JANNAF) will consist of the 68th JANNAF Propulsion Meeting (JPM), Programmatic and Industrial Base (PIB) Meeting, and the Joint Meeting of the 15th Modeling and Simulation / 12th Liquid Propulsion / 11th Spacecraft Propulsion Subcommittees. Mr. James L. Cannon with NASA Marshall Space Flight Center in Huntsville, AL, is the Meeting Chair. This meeting will be conducted virtually **Monday through Friday, 7 - 11 June 2021 and Monday through Thursday, 14 - 17 June 2021**, via the Defense Collaboration Services (DCS) platform. Virtual platform information is provided on p. 5.

Note that papers are optional for this virtual meeting, although highly encouraged and welcome. Papers submitted for accepted abstracts will be published in the Meeting Proceedings (JANNAF Digital Online Collection - JDOC). If no paper is submitted, presentations will be published.

ATTENDANCE REQUIREMENTS

The overall security level of the meeting is **Unclassified**. Attendance, applicable to presenters as well, is restricted to invited U.S. citizens qualified to receive unclassified, limited-distribution information. *No foreign nationals are permitted to attend.*

ALL non-government attendees (which includes contractors, consultants and universities) attending this meeting **must**:

1. Be working on a current government contract or certified by a Sponsoring Government Official
2. Provide their organization's DD 2345 Certification Number for receipt of militarily-critical technical data

DD 2345: For additional information, contact the Joint Certification Program Office (JCP) at 1-800-352-3572 or visit their Web site at <https://www.dla.mil/HQ/LogisticsOperations/Services/JCP/>.

ALL Attendees: To register, attend, and present, you must first have a JANNAF Secure Portal account. Please visit the **Registration** page of the meeting website for additional information and important links. *All presenters are required to register and pay the registration fee.*

Questions concerning attendance eligibility should be directed to the JANNAF Security Team, Mary Gannaway (mgannaway@erg.jhu.edu) or Tricia Frey (tfrey@erg.jhu.edu) or by calling (410) 992-7300.

REGISTRATION

Registration will open in early April. Preliminary information is provided on the June meeting website with full details available when registration opens.

PURPOSE

The JANNAF Interagency Propulsion Committee focuses on the technology, development, and production capabilities for all types of propulsion systems and energetics for tactical, strategic and missile defense rockets and missiles, for space boost and orbit transfer, for in-space propulsion, and for gun systems. JANNAF provides a forum for discussion of propulsion issues, challenges, and opportunities across the Military Departments, Defense Agencies and NASA. JANNAF subcommittees focus their resources on technical issues of interest to the JANNAF agencies.

Work in all areas of DoD and NASA are solicited as defined below:

6.1 Basic Research:

Systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products.

6.2 Applied Research:

Systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met.

6.3 Development:

Systematic application of knowledge toward the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes to meet specific requirements.

JANNAF accepts papers that are unclassified/unlimited and unclassified/limited for all meetings; and up to classified Secret as announced in the specific meeting's announcement and call for papers.

SCOPE

To learn more about the scope of the JANNAF Propulsion Meeting and the standing JANNAF subcommittees at this meeting, please review the original [June 2021 Call for Papers](#).

Programmatic and Industrial Base

The JANNAF Programmatic and Industrial Base (PIB) Committee was created with the approval of the JANNAF Charter by the Department of Defense and the National Aeronautics and Space Administration in 2014. Its focus is on providing a mechanism for DoD and NASA to collaboratively identify and manage risks and issues within the propulsion industrial base, and to work together to solve them. This requires an integrated understanding of each program's plans and key decision points, and how those decisions may impact the propulsion industrial base. PIB areas of interest include integrated program plans and key decision points; industrial base assessments; risks and opportunities with respect to skills, knowledge, and experience; identification of commonality, innovative acquisition, and partnership opportunities; integrated assessments to identify rocket propulsion industrial base (RPIB) rationalization opportunities; special actions from senior agency, department, or Executive Office of the President (EOP) leadership; and information provided to decision makers for either situational awareness or policy decisions.

The PIB Large Liquid Propulsion Working Group (LLPWG) seeks presentations on the topic of reusability practices for the following technical areas:

- Propulsion systems – engines, valves, propellant flow systems: design for reusability, post flight inspection/refurbishment, certification for reuse
- Safety and Mission Assurance practices specifically related to reusable launch vehicles
- Thrust Vector Control and associated systems such as hydraulics for reusable launch vehicles: design for reusability, post flight inspection/refurbishment, certification for reuse
- Primary structural considerations for reusable launch vehicles: design for reusability, post flight inspection/refurbishment, certification for reuse

When submitting a PIB abstract, **select PIB Mission Area 1** (Launch Vehicle Reusability). Accepted PIB presentations will be scheduled for a single session, the date to be announced.

Chair: N. Wayne Hale, Special Aerospace Services / Boulder

Telephone: (303) 717-6746

Email: n.w.hale@specialaerospaceservices.com

Abstract Submittal Instructions begin on page 4.

PIB AUTHOR TIMELINE

Week of	Weeks before Meeting	Action
26 Mar 2021	11	Deadline for receipt of PIB abstracts via Abstract Submittal Site .
5 April 2021	9	Meeting Invitation, Preliminary Program, and registration materials forwarded to propulsion community.
5 April 2021	9	Deadline for award nominations and submittal of Student papers for Best Student Paper award consideration.
24 May 2021	2	Deadline for submission of changes to the Final Program.
24 May 2021	2	Deadline for completion of online Registration Form. Deadline for discounted Early registration fee
1 June 2021	1	Week 1 presentations and Publication clearance forms due. Those not received by this date may be removed from the program.
7 June 2021	0	Week 2 presentations and Publication clearance forms due. Those not received by this date may be removed from the program.
7 June 2021	0	Start date for Week 1 JPM/ PIB/MSS/LPS/SPS Joint Subcommittee Meeting
14 June 2021	-1	Start date for Week 2 JPM/ PIB/MSS/LPS/SPS Joint Subcommittee Meeting

PIB ABSTRACT SUBMITTAL INSTRUCTIONS

- The PIB technical areas to be addressed are defined in this announcement. Individuals who wish to submit a PIB abstract should carefully review the topic areas listed on page 2.
- **All PIB abstracts are to be submitted via the new JANNAF Abstract Submittal Site.** A JANNAF Portal account is not required to submit an abstract.
- The submission of an abstract represents an agreement to **submit a final presentation either 1 June or 7 June 2021 (as determined by date of session),** attend the meeting, and deliver a **25-minute presentation.** The submission of a paper is optional, though encouraged and welcome. If a paper is not submitted, the presentation will be uploaded to the JANNAF Digital Online Collection (JDOC) in its place.
- You will be asked to indicate your presentation's anticipated Distribution Statement when completing required fields on the **Abstract Submittal Site.** **For the PIB Launch Vehicle Reusability session, all presentations must be Distribution Statement A or C.**
 - Primary dissemination of information from JANNAF presentations is relegated to either Statement A (approved for public release) or Statement C (Distribution authorized to U.S. Government and their contractors).
 - Papers may have different Distribution Statements than their corresponding presentations.
- Submit only unclassified abstracts. **Abstracts will NOT be published** and will only be used by the program committee members for selection and scheduling purposes.
- The Title field in the new abstract submittal site is limited to 150 characters including spaces.
- A maximum of 5 authors may be listed when submitting your abstract for inclusion in the author list for the Preliminary and Final Programs. You may list more than five authors when submitting your final paper/presentation and all names will be included in the author list when the paper or presentation is published in JDOC.
- Abstract length is limited to 300 words, and may not include tables or figures. State the objective of the work. Describe the scope, method of approach, and any new advances in the state of the art. Highlight important conclusions, and include a brief summary of the data used to substantiate them.

- **Many organizations require abstracts to be processed through an approval system prior to submission. This process takes additional time, so authors should plan accordingly in order to meet the PIB abstract deadline.**
- All required fields must be completed in order to submit your abstract. When filling in the form in the Abstract Submittal Site, if there is required information that you do not have, you have the ability to save your form and return prior to the PIB deadline once you have obtained the missing information to complete and submit the form.
- Remember, ***you must be an invited and qualified U.S. Citizen to attend and present at this meeting.*** No foreign nationals are permitted to attend.
- **The deadline for submission of PIB abstracts to JHU WSE ERG is 26 March 2021.**

JHU WSE ERG accepts only **electronic submission** of abstracts, presentations, and papers. **Abstracts can no longer be submitted via email, and instead must be submitted only via the new Abstract Submittal Site:**

1. To access the new Abstract Submittal Site, go to: <https://jannaf.org/abstractstart>. You may submit an abstract whether or not you have an active JANNAF Secure Portal Account. A "Help" button is provided at the upper right corner of each page should you require assistance.
 - ▶ **If you DO NOT have an active JANNAF Secure Portal Account,** click the link, "I do not have a JANNAF Portal account and wish to submit an abstract." Then proceed to step 2 in these instructions.
 - ▶ **If you have an active JANNAF Secure Portal Account,** click the link, "I have an active JANNAF Portal account and wish to submit an abstract." You will be prompted to log into your account (if you have not already done so), and directed to the Abstract Landing Page. Skip ahead to step 3 in these instructions to continue.
2. After clicking the link indicating that you DO NOT have a JANNAF Portal account, you will be taken to a page prompting you to begin a validation process to ensure the legitimacy of your submission(s).
 - ▶ Select the appropriate meeting (June 2021 JPM/PIB/MSS/LPS/SPS) and complete all required fields. Remember the email address that you have entered, as you will need it for later steps. After completing all fields, click the "Request" button at the bottom of the page. You will be provided instruction to guide you through the remaining validation process.
 - ▶ You may use your validation code to submit more than one abstract.

3. After reaching the Abstract Landing Page, click the grey, “Abstract Submissions” button to create a new abstract or edit/submit a draft PIB abstract.
 - ▶ Once you have reached the Submission Details tab, you will have the option to save the form as a draft and return to complete it at a later time.
4. When all required fields have been completed accurately, submit your **PIB** abstract. You will have the opportunity to review your responses before you submit.
5. If you would like to edit a draft or submit another **PIB** abstract, return to <https://jannaf.org/abstractstart>.
 - ▶ **If you DO NOT have an active JANNAF Secure Portal Account**, select the option, “I do not have a JANNAF Portal account but already have a validation code.” Re-enter the email address and validation code that you used previously in order to access these options.
 - ▶ **If you have an active JANNAF Secure Portal Account**, repeat step 1b, and steps 3 – 4.

RECOMMENDATIONS FOR WORKSHOPS OR SPECIALIST SESSIONS

Individuals interested in organizing and chairing a workshop or specialist session should refer to page 15 of the original [June 2021 Call for Papers](#) for additional information and requirements.

AWARDS

Nominations for JANNAF Technical Executive Committee (TEC), PIB Executive Committee (PEC), MSS, LPS, and SPS recognition awards are being solicited. Individuals interested in nominating an award recipient should follow the guidelines and instructions on pages 16 of the original [June 2021 Call for Papers](#).

VIRTUAL PLATFORM / TECHNOLOGY

Virtual Platform

Defense Collaboration Services, or DCS, is a web-based collaboration tool provided by the Defense Information Systems Agency (DISA). It meets DoD security requirements for presentation and discussion of ITAR-restricted material, and has DoD-wide approvals and authorizations for configuration and use. The tool allows for both online participation using a link to access the web interface, or dial-in participation using a phone line to listen to presentation delivery. Dial-in participation should be used only as a last resort. During JANNAF virtual sessions, live Q&A will be facilitated as time permits; guidance will be provided during each session.

Technical Specifications

Performance of the DCS platform can be negatively impacted by an individual’s WiFi connection, security settings on their computer or network, organization IT policies, and more. For this reason, ERG has developed a detailed list of steps to optimize your experience during the virtual JANNAF meeting. You are strongly urged to review and follow the technical guidance as far in advance of the meeting’s start date as possible to ensure that your computer, network, and organizational IT policies will allow for your seamless participation. This is important for all participants, but especially for those who have not used DCS previously. There is no need to wait until your registration is complete to review and implement these guidelines.

DCS Testing Sessions

To help participants identify technical issues and become familiar with the DCS platform, several DCS Testing Sessions will be hosted by JHU WSE Energetics Research Group Staff during the 2-3 weeks prior to the meeting. All participants are strongly urged to join one of these DCS testing sessions to verify the ability to log in and join the session, that audio settings are correct, and that you're able to identify any issues early enough for your local IT staff to provide support.