Dr. Frank Preli

Mr. Tony Nerone*

VP Technology, Pratt and Whitney

Project Manager, HyTEC, NASA-GRC





174th MEETING OF THE

AERONAUTICS AND SPACE ENGINEERING BOARD

October 8-9, 2024 NASEM Beckman Center, Huntington Room 100 Academy, Irvine, California 92617

Break (15 minutes)

TUESDAY, OCTOBER 8, 2024

OPEN SESSIO	N	
Livestream Link: https://vimeo.com/event/4618416		CLICK HERE TO JOIN
9:30 AM	Meeting Room Opens to Public	
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9:40 AM	Welcome	Dr. Ilan Kroo, ASEB Chair
9:45 AM	NASA Aeronautics Research Mission Director	ate Mr. Robert Pearce*
	(ARMD) – Key Issues for 2025	Associate Administrator
	(30 minute presentation and 30 minutes for Q&A)	ARMD, NASA
10:45 AM	Additive Manufacturing in the Smart Factory	Dr. Melissa Orme
	(30 minute presentation and 30 minutes for Q&A)	Vice President, Additive Manufacturing Boeing
11:45 AM	Break (15 minutes)	
12:00 PM	WORKING LUNCH Keynote Talk	
	Human Systems Integration	Dr. Bonnie Dunbar
	EVA Suits, Space, and Suit Strategies	Professor, Aerospace Engineering,
		John & Bea Slattery Chair, and Director,
	Aerospace Human S	systems Laboratory, Texas A&M University

1:00 PM

1:15 PM

Hybrid Thermally Efficient Core (HyTEC) Project

(25 minute presentation and 20 minutes for Q&A)

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2:15 PM	Update from X-59 Quiet Supersonic Program (30 minute presentation and 30 minutes for Q&A)	Mr. Peter Coen* Quesst Integration Manager ARMD, NASA
3:00 PM	Break (15 minutes)	
3:15 PM	Briefing of "NASA at a Crossroads" Report (30 minute presentation and 30 minutes for Q&A)	Mr. Norm Augustine Chair, Committee on NASA Mission Critical Workforce, Infrastructure, and Technology
4:15 PM	Open Meeting Adjourns	

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WEDNESDAY, OCTOBER 9, 2024

OPEN SESSION				
Livestream Link: https://vimeo.com/event/4618426		CLICK HERE TO JOIN		
9:30 AM	Meeting Room Opens to Public			
9:45 AM	Welcome	Dr. Ilan Kroo, ASEB Chair		
9:50 AM	NASA Space Technology Mission Directorate (STMD) Update & Outlook (30 minute presentation and 30 minutes for Q&A)	Dr. Prasun Desai* Deputy Associate Administrator NASA-STMD		
10:50 AM	Break (25 minutes)			
11:15 AM	NASA Exploration Systems Development Mission Dr. Lori S. Glaze* Directorate (ESDMD) Update & Outlook Acting Deputy Associate Administrator (30 minute presentation and 30 minutes for Q&A) NASA-ESDMD			
12:15 PM	Lunch Break (60 minutes)			
1:15 PM	Panel: The Challenge of Unfailing Safety (11 minute presentations and 25 minutes for Q&A) Safety comes first in aeronautics and space endeavors. Sustaining a safety culture, flight or pilot schools, emergency training, mechanical issues, and regulators all have a role.			
	 Mr. Michael X. Franovich*, Director, Division of Risk Assessment, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission Mr. Christopher Tarsa, Executive Director, Naval Safety Command Mr. Bruce DeCleene*, Director, Office of Senior Technical Experts, Aircraft Certification Office, Federal Aviation Administration 			
2:15 PM	Update on Meeting RTG/RPS Production Rates for 238Pu (25 minute presentation and 20 minutes for Q&A)			
3:00 PM	OPEN MEETING ADJOURNS			

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IMPORTANT NOTES

Presenters:

- Please do not include ITAR-controlled or sensitive information in your presentation.
- A National Academies Board staff member will ask you to sign a form before the meeting allowing us permission to use your likeness and presentation for our livestream video, which will be posted on our Board website after the meeting. Please get in touch with us before the meeting if you have any concerns about this usage.

Board Members and Presenters:

- Remote access will be provided through Zoom. This will allow you to participate in the meeting even if you can't be physically present.
- Please note that Zoom allows audio and any materials exchanged or viewed during the session to be recorded and shared.
- By participating in this activity, you agree to let your voice, likeness, and any materials you provide be recorded for use and dissemination. This includes any language, format, or media now known or later devised
- You release the National Academies of Sciences, Engineering, and Medicine from any and all claims, liability, or damages arising from any such use. If you disagree, please do not join the session.

Thank you all for your cooperation, and we look forward to a successful meeting.