

# Fifth Virtual Meeting of the Fusion Energy Sciences Advisory Committee.

August 30-31, 2021

Welcome and Opening Remarks

Don Rej, Los Alamos National Laboratory, and  
FESAC Chair

# Announcements

In 2021, FESAC bid farewell to

- **Gert Patello** , Pacific Northwest National Laboratory
- **Erik Trask** , TAE Technologies

**Thank you for your service!**

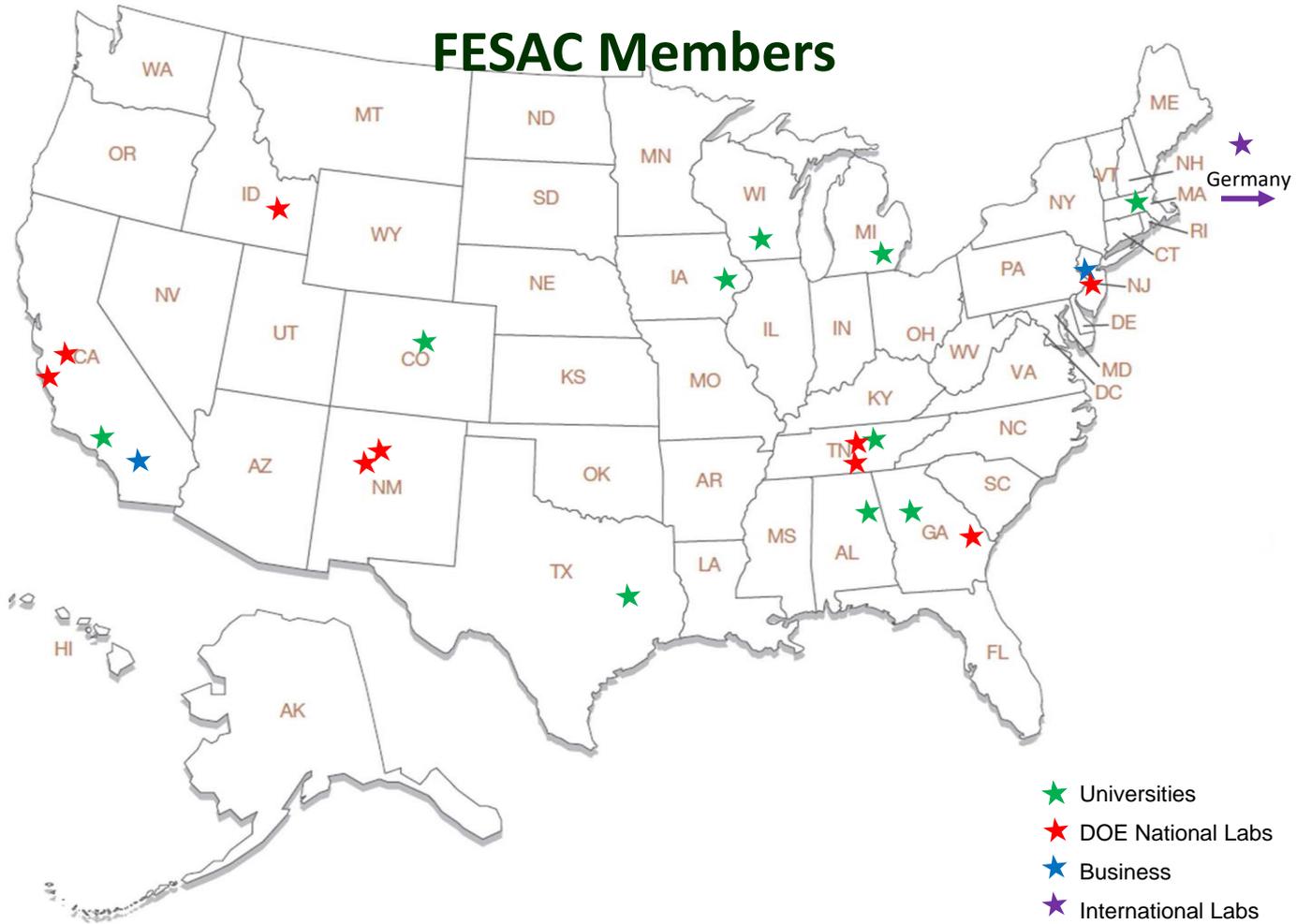
FESAC welcomes three new members whose terms will run through June 2024.

We look forward to your service.

- **Stephanie Hansen** from Sandia National Laboratories
- **Paul Humrickhouse** from Idaho National Laboratory
- **Rich Magee** from TAE Technologies

**To the continuing members of FESAC, thank you for your continuing service!**

# FESAC Members



## **Important Notice**

There will be Public Comments  
on August 31 at 4:15 p.m.

If you would like to make a 5-Minute Public Comment  
at this virtual meeting, please send your comment to:

Dr. Sam Barish by phone (301-903-2917)  
or email ([sam.barish@science.doe.gov](mailto:sam.barish@science.doe.gov))

and/or Dr. Don Rej by phone (505-699-0446)  
or email ([drej@lanl.gov](mailto:drej@lanl.gov))

No later than 3:15 p.m. August 31.

## Fusion Energy Sciences Advisory Committee Meeting

**August 30-31, 2021**

The meeting will be conducted remotely using ZOOM.

### AGENDA

<b>August 30 Time</b>	<b>Topic</b>	<b>Speaker</b>
11:00 a.m. EDT	News from the Office of Science	Dr. Stephen Binkley Acting Director Office of Science
11:15 a.m.	Welcome and Opening Remarks	Dr. Donald Rej FESAC Chair Los Alamos National Laboratory
11:30 a.m.	FES Perspective	Dr. James Van Dam Associate Director for Fusion Energy Sciences
<b>12:45 p.m.</b>	<b>Lunch</b>	
1:45 p.m.	Update on the FESAC Long Range Planning Report	Professor Troy Carter FESAC Subcommittee Chair University of California, Los Angeles
2:30 p.m.	NASEM Report: Bringing Fusion to the U.S. Grid (2021)	Dr. Richard Hawryluk and other NASEM Committee Members Senior Physicist Princeton Plasma Physics Laboratory
<b>3:30 p.m.</b>	<b>Break</b>	
3:45 p.m.	Taming Plasmas and Controlling Laser Beams for Grand Challenge Applications	Professor Dustin Froula Ernest Orlando Lawrence Award Winner University of Rochester
4:30 p.m.	Public Reusable Research (PuRe) Data Resources	Dr. Michael Cooke, Senior Technical Advisor Office of the Deputy Director for Science Programs
5:00 p.m.	Recent Inertial Confinement Fusion Results from the National Ignition Facility	Dr. Mark Herrmann Deputy Program Director for Fundamental Weapons Physics Lawrence Livermore National Laboratory
<b>5:30 p.m.</b>	<b>Adjourn</b>	

**Fusion Energy Sciences Advisory Committee Meeting**  
**August 30-31, 2021**  
**AGENDA (cont'd)**

<b>August 31</b>		
<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
11:00 a.m. EDT	Overview of the Office of Science High Energy Physics Program	Dr. James Siegrist Associate Director for High Energy Physics
12:00 noon	Innovation Network for Fusion Energy: Past Performance, Future Plans, and Lessons Learned	Dr. Dennis Youchison, INFUSE Director Oak Ridge National Laboratory Dr. Ahmed Diallo, INFUSE Deputy Director Princeton Plasma Physics Laboratory
<b>12:45 p.m.</b>	<b>Lunch</b>	
2:00 p.m.	Status of US ITER	Dr. Kathryn McCarthy Associate Laboratory Director for the Fusion and Fission Energy and Science Directorate Oak Ridge National Laboratory
2:45 p.m.	X-ray Light Sources Driven by Laser-plasma Accelerators for High Energy Density Science	Dr. Félicie Albert Presidential Early Career Award for Scientists and Engineers Winner Lawrence Livermore National Laboratory
<b>3:15 p.m.</b>	<b>Break</b>	
3:30 p.m.	Office of Science User Facilities: Lessons Learned from the COVID Era and Visions for the Future	Dr. Lijuan Ruan Co-spokesperson RHIC's STAR Experiment Brookhaven National Laboratory
4:15 p.m.	Public Comment	Dr. Donald Rej
<b>4:45 p.m.</b>	<b>Adjourn</b>	