

**2024 JUMP into STEM Final Competition Agenda**  
**January 25-26, 2024**

<b>Event Contact</b>	[Primary] Bill Eckman, <a href="mailto:eckmanwe@ornl.gov">eckmanwe@ornl.gov</a> , 865-341-1964 [Secondary] Dr. Yeonjin Bae, <a href="mailto:baey@ornl.gov">baey@ornl.gov</a> , 765-714-9070		
<b>Competition Day 1: January 25, 2024</b> Oak Ridge National Laboratory (ORNL) Conference Center			
<b>Eastern Time</b>	<b>Event</b>	<b>Location</b>	<b>Other Details</b>
7:00–7:30	Shuttle Guesthouse to Conference Center	Guesthouse	ORNL Taxi/Bus (2 runs)
7:30–8:15	Breakfast (networking)	Conference Center 2nd floor	Welcome/Safety Notice
8:15–8:35	Welcome to ORNL	Tennessee B-C	Energy Science and Technology Directorate (ESTD) Leadership – Dr. Richard Raines
8:35–8:55	Welcome by Building Technology Office (BTO)	Tennessee B-C	BTO Leadership – Nicholas Ryan
8:55–9:20	JUMP into STEM and Internship Opportunities	Tennessee B-C	JUMP into STEM Management
9:20-9:45	Building Technology at National Laboratories	Tennessee B-C	ORNL – Melissa Lapsa National Renewable Energy Laboratory (NREL) – Roderick Jackson
9:45–9:55	Break		
9:55–10:05	Industry Partner Showcase – Johnson Controls International	Tennessee B-C	Johnson Controls International staff
10:05–10:15	Industry Partner Showcase – Clayton Home Building Group	Tennessee B-C	Clayton Home Building Group staff

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<b>Eastern Time</b>	<b>Event</b>	<b>Location</b>	<b>Other Details</b>
10:15–11:30  (Morning Concurrent Sessions)	Student Session #1: Networking & Early Career Panel	Cumberland	JUMP into STEM Advisory Board and ORNL early career staff
	Professor Session #1: Networking – Laboratory and Industry Partner Collaboration	Tennessee A	National Laboratory Staff and Industry Partners
11:30–12:30	Lunch (networking)	Tennessee B-C	Sponsored by: Johnson Controls International
12:30–1:00	Travel to tour location(s)		Students – walking tour to 3144 Professors – shuttle to Spallation Neutron Source (SNS)
1:00–2:30 (Concurrent Tours)	Student Tour: Building Technologies Research and Integration Center (BTRIC) and “Team Solutions”	FRP-2 + 4020	ORNL Tour Lead: Bill Eckman
	Professor Tour: SNS and “The Unseen World”	SNS	ORNL Tour staff
2:30–3:00	Travel to Conference Center		
3:00–4:00 (Afternoon Concurrent Sessions)	Student Session #2: Industry Connections – “Pitch Challenge”	Buffalo Emory Cumberland Tennessee A	Industry Connectors JUMP into STEM staff
	Professor Session #2: Collaborating with National Laboratories	Tennessee B-C	Facilitators: Yeonjin Bae, Jackson Gainer, and Ellen Morris
4:00-4:15	Break		
4:15–4:45	“Pitch Challenge”	Tennessee B-C	90sec elevator pitch by teams
4:45–5:15	Day 1 Wrap-up and Group Photo	Tennessee B-C	Review Day 1 / Day 2 Preview Group photo downstairs

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<b>Competition Day 2: January 26, 2024</b> ORNL Conference Center			
<b>Eastern Time</b>	<b>Event</b>	<b>Location</b>	<b>Other Details</b>
7:00–7:30	Shuttle Guesthouse to Conference Center	Guesthouse	ORNL Taxi/Bus (2 runs)
7:30–8:20	Breakfast	Conference Center 2nd floor	Welcome/Safety Notice
8:20–8:25	ORNL Kick-off	Tennessee B-C	ORNL Program Manager – Melissa Lapsa
8:25–8:45	Keynote	Tennessee B-C	BTO Leadership – Mandy Mahoney
8:45–9:00	Break		Open Buffalo [Green Room] for Team “MESI”
9:00–9:05	Challenge Introduction – That’s a Wrap!	Tennessee B-C	
9:05–9:25	MESI – University of Nebraska-Lincoln	Tennessee B-C	[Green Room] Team “That’s a Wrap!”
9:30–9:50	That’s a Wrap! – North Carolina Agricultural and Technical State University	Tennessee B-C	
9:50–10:05	Break [Judging Notes]		[Green Room] Team “Energy Save Solutions”
10:05–10:10	Challenge Introduction – Keepin’ it Cool (or Hot)	Tennessee B-C	
10:15–10:35	Energy Save Solutions – Embry-Riddle Aeronautical University	Tennessee B-C	[Green Room] Team “OneGrid”
10:40–11:00	OneGrid – Purdue University	Tennessee B-C	[Green Room] Team “Team PRTM”

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11:05–11:25	Team PRTM – Worcester Polytechnic Institute	Tennessee B-C	
11:25–12:25	Lunch (networking)	Tennessee B-C	Sponsored by: Clayton Home Building Group
12:25–12:35	Welcome Back	Tennessee B-C	[Green Room] Team “Urban Green Niners”
12:35–12:40	Challenge Introduction – You and Me, Carbon Free!	Tennessee B-C	
12:45–1:05	Urban Green Niners – The University of North Carolina at Charlotte	Tennessee B-C	[Green Room] Team “Concrete Evolution Team”
1:10–1:30	Concrete Evolution Team – Indiana Institute of Technology	Tennessee B-C	[Green Room] Team “Green Debris”
1:35–1:55	Green Debris – University of Nebraska-Lincoln	Tennessee B-C	[Green Room] Team “Eco Skyline Team”
2:00–2:20	Eco Skyline Team – Indiana Institute of Technology	Tennessee B-C	
2:20–2:45	Break + Photos		
2:45-3:45 (Concurrent Sessions)	Student Session #3: History Tour - Graphite Reactor Tour	ORNL Main Campus	ORNL Tour Lead: Brian Fricke
	Professor Session #3: Building Technologies Tour	Bldg 4020	ORNL Tour Lead: Melissa Lapsa
	Judging Session	Cumberland	Facilitators: Yeonjin Bae, Kim Trenbath, Sarah Newman, and Nicholas Ryan

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3:45–4:30 (Concurrent Sessions)	Student Session #4: Feedback – JUMP into STEM Competition	Emory	JUMP into STEM Team
	Professor Session #4: Feedback – Linking JUMP into STEM with Faculty Departments	Tennessee B-C	JUMP into STEM Team
	Judging Session	Cumberland	Facilitators: Yeonjin Bae, Kim Trenbath, Sarah Newman, and Nicholas Ryan
4:35–5:00	<b>Announcement of Winners</b>	Tennessee B-C	Announcement of Winners
5:00–5:45	<b>Photo Session and Post-Competition Reception</b>	Conference Center 2nd floor	

## Organizers



## Industry Sponsors

