

NEW ENGLAND
NORTHERN
JSHS
JUNIOR SCIENCE AND
HUMANITIES SYMPOSIUM



New England Northern Junior Science and Humanities Symposium

University of Maine – Orono
Wells Conference Center
Thursday, February 27th, 2025
<https://umaine.edu/jshs-nne/>

Time	Location	What's Happening
10:00 AM-6:00 PM	Wells Conference Center	Parking permits are required. Display the printed permit that we sent you on your dashboard. You will be responsible for any parking violations.
10:30 AM – 11:30 AM	Wells Conference Center, 2 nd Floor All activities for the day will be held here.	Registration and poster setup: Please pick up your JSHS symposium packet at the registration table at the Wells Conference Center (2 nd floor) and set your posters up. Poster boards and easels, including tacks, tape and clips, will be available for poster presenters to set up prior to the start of the symposium. PLEASE USE THE ASSIGNED POSTER #. Please break down your easel and poster board after judging and place the easels and poster boards on the carts provided.
11:30 – 12:00 PM	Lunch	Lunch provided
12:00 – 12:10 PM		Welcome and Introductions Shaleen Jain and Cary James, <i>New England Northern Regional Directors</i> Dr. Giovanna Guidoboni, <i>Dean, Maine College of Engineering and Computing</i> (Invited)

Questions and Comments: jshs-nne@umaine.edu
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12:15 – 4:50 PM	Oral Presentations and Judging	
12:15 – 12:35 PM		Improving the efficiency of nitrate removal in biosand filters using <i>N. oculata</i> , Sophie Reuter (ME)
12:35 – 12:55 PM		The effect of storytelling on substance-use disorder recovery housing support , Roz O'Reilly (ME)
12:55 – 1:15 PM		Modulation of TLR2-mediated innate immunity mitigates neurodegeneration of Alzheimer's disease , Ethan Liu (NH)
1:15 – 1:25 PM	Short Break	
1:25 – 1:45 PM		Scoring radiography collimation: Quantifying background impact using neural networks , Viktor Osadsky (NH)
1:45 – 2:05 PM		Historical traumas in displaced Palestinians outside of Israel: A generational comparative investigation , Saladin Wise (ME)
2:05 – 2:25 PM		Low levels of bioaccumulated mercury in lobster (<i>Homarus americanus</i>) from Gulf of Maine are elevated during the early fishing seasons , Dan Stoicov (ME)
2:25 – 2:40 PM		LLMs on Edge: Novel post-training quantization for education applications , Eric Buehler (NH)
2:40 – 2:55 PM	Short Break	
2:55 – 4:45 PM	Poster presentations and poster judging	All students should be at their posters for judging. Please break down your easel and poster board after judging and place the easels and poster boards on the carts provided



-	Everyone invited	<p>Dinner & Announcement of Awards: All teachers, students, judges and Invited guests. Award winners will be called to the front for presentation of certificates. After all presentations are made, award winners and their teachers are requested to remain for pictures.</p> <p>Oral Presentation Awards* are: 1st Place \$2,000.00 Scholarship 2nd Place \$1,500.00 Scholarship 3rd Place \$1,000.00 Scholarship Additional Awards[†] for 4th to 7th place Oral Presenters and 1st to 6th Place Poster Presenters \$100 each.</p> <p>*Sponsors: Office of the Secretary of Defense and the U.S. Army, U.S. Navy and Marine Corps, and the U.S. Air Force and Space Force [†]Sponsor: Maine College of Engineering and Computing, University of Maine</p>
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