

John Olson Advanced Manufacturing Center NEWSLETTER

Issue 1



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OLSON CENTER'S GRADUATING STUDENTS

Congratulations all the wonderful Olson Center students graduating this year! Thank you for all of your incredible work and dedication and we wish you well in your future endeavors.

Luke Conroy

Major: Mechanical Engineering

Hometown: Berwick, ME

Favorite Projects: I enjoyed fixing the various machines that we have including the water jet and the 3D printers.

Plans after Graduation: Hoping to work in product development or engineering sales.



Ali Al Jewad

Major: Mechanical Engineering

Favorite Projects: Acoustic Emission (AE) Monitoring for Necking in Sheet Metal Forming.

Plans after Graduation: Pursue a career in the aerospace industry.



Max Carpenter

Major: Mechanical Engineering

Hometown: Durham, NH

Favorite Projects: Working with BioMade NH to scan a model human skull. From that scan he used the incremental forming machine to create a replacement section that was customized to the shape of that skull out of sheet metal.

Plans after Graduation: Working at Ayer Electric as an Estimator on solar and electrical contracting jobs.

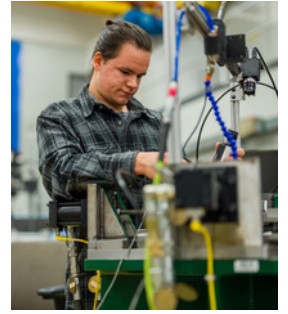


STUDENT PROJECTS

Matt Eaton

Matt spent time at the Olson Center under the mentorship of professor Jinjin Ha who provided him with expertise and insight into his designs and research. Matt's use of the center's materials and technology enabled him to conduct a concise and in-depth exploration in the Development of In-Plane Torsion Testing Fixture and Experiment for Sheet Metal which he presented at UNH's Undergraduate Research Conference. He was awarded first place in the mechanical engineering research category.

Written by, Jesse Davis



Louis Gitelman

Louis Gitelman, an engineering intern, is working on testing a variety of fiberglass to determine their strength and bending modulus when being exposed to ocean environments! He is hoping to find a suitable material for ocean mooring lines. Especially ones that won't entangle a North Atlantic Right Whale, which is one of the most endangered whale species!

Written by, Lauren Dupuis



Desmond Mensah

The Olson Center is fostering collaborative work across Universities. Desmond Mensah, a graduate research assistant is utilizing the Olson Center's ability to work with researchers from other schools. He's collaborating with 2 other students, Elizabeth Mamros, a graduate student at UNH, and Lenard Polec, a senior at the Technical University in Dortmund, Germany on an experimental study of the effects of temperature, strain level, and continuous bending under tension.

Written by, Lauren Dupuis



OYSTER RIVER ROBOTICS

Over the past academic year, the Oyster River High School robotics team has been working out of the Olson Center in preparation for the New England FIRST (For Inspiration and Recognition of Science and Technology) Robotics District Championship. This March; Oyster River's team called Team Overdrive competed against 40 other teams across New England. In the seven weeks leading up to the competition, Saketh Kantipudi (ORHS junior and team captain) along with his 33 other teammates spent 30-40 hours each week using the Olson Center's machinery, technology, and faculty/staff expertise. The center allowed the team to have the freedom to work creatively and collaboratively as well as take the creation of their robot more seriously.

Written by, Jesse Davis

OLSON CENTER VISITS



Maggie Hassan

The Olson Center welcomed U.S. Senator Maggie Hassan February 13th, 2023. Senator Hassan toured the Olson Center factory floor and talked with representatives from UNH, and several New Hampshire-based manufacturing companies about workforce needs, methods for increasing industry-university collaborations, and other pertinent topics. The tour demonstrated some of the many ways that industry leverages the Olson Center's facilities and capabilities.

Written by, Lauren Dupuis

Jeanne Shaheen & NSF Director

On May 12, 2023 the National Science Foundation (NSF) Director Sethuraman Panchanathan and Senator Jeanne Shaheen (D-NH) visited UNH's John Olson Advanced Manufacturing Center as part of a larger visit to the Durham campus. UNH is classified as an R1 research institution, and a large portion of the university's research is done through NSF grants. The visit started with a tour of the Olson Center. The center serves as a conduit for private industry partners to collaborate with the UNH academic community. Industry partners: Greensource, MadCo 3D, and Dropslice discussed their collaborations with the center and how NSF grants help NH's economy.



Taylor Caswell from NH BEA

Taylor Caswell, the commissioner of the New Hampshire Department of Business and Economic Affairs (BEA), visited the John Olson Center Wednesday April 26. Commissioner Caswell learned more about how the BEA can partner with the Olson Center to help New Hampshire-based manufacturers thrive. The visitors discussed how the BEA can help New Hampshire based companies grow from startups all the way up to large organizations. The conference portion of the visit looked into how UNH can best work with the state in order to further the advanced manufacturing growth on and off campus.

Written by, Lauren Dupuis



Thank you to our writers and editors:

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