

ASEE Northeast Section Conference (ASEE-NE 2022)

Congratulations to all who presented their work in the Professional Papers, Extended Abstracts, Student Papers, and Student Posters tracks at the ASEE-NE 2022 conference at Wentworth Institute of Technology in April 2022. The conference was a wonderful opportunity for us to listen to and discuss the innovative technical and engineering education work being done by our peers. Join us in congratulating our colleagues who received awards at the conference.

List of Awards

Professional Papers

Best Paper

SILENT WATERFALLS – A REVIEW OF SALINITY GRADIENT OSMOTIC ENERGY CONVERSION TECHNOLOGIES

Mansour Zenouzi (Wentworth Institute of Technology), Gregory J. Kowalski, and Aliagha Rezvani (Northeastern University)

Best Paper Runner Up #1

The Virtual Laboratory: A Natural Vehicle for Simulation in Engineering Education

Brian Hong (MathWorks) and Afsaneh Ghanavati (Wentworth Institute of Technology)

Best Paper Runner Up #2

Use of Capstone Engineering Design Projects to Construct a Teaching Laboratory

Yiannis A. Levendis (Northeastern University)

Best Paper Honorable Mention

Utilizing Virtual Reality to Support the ASCE UESI Student Surveying

Dimitrios Bolkas (Penn State University), Jeffrey Chiamp, and Carol Morman (Wilkes-Barre Campus Cincinnati State Technical and Community College)

Student Papers

Best Paper – 1st Place

Damage Identification of Crumbling Foundation using Non-Destructive Methods and Image Processing

Rinchen Tsewang Sherpa, Kay Wille, and Shinae Jang (University of Connecticut)

Best Paper – 2nd Place

DIY Remote Accessed Robot Car

Trinh Huynh and Pilin Junsangsri (Wentworth Institute of Technology)

Best Paper – 3rd Place

Low-Cost Open-Source Robotics for Education

Brennan Miller-Klugman, Yali Izzo, Corey Comperchio, and Marisha Rawlins
(Wentworth Institute of Technology)

Diversity, Equity, and Inclusion Award

Award Winner

Improving the Learning Experience of Neurodiverse Students in a Fluid Mechanics Course During the COVID-19 Pandemic

Caressa Adalia Wakeman, Amyrossios Bagtzoglou, and Maria Chrysochoou
(University of Connecticut)

Student Posters

Poster Award – 1st Place

Development of User Friendly Matlab Toolkit for Thermodynamics

Bjorn Kierulf, Ahmet Coskun, and Kai Tak Wan (Northeastern University)

Poster Award – 2nd Place

Robotic Surgery Training Device

Susan Freudzon, Jenna Madigan, Stephanie Prado, Clarissa Rotonto, and Chloe Stokinger
(Fairfield University)

Poster Award – 3rd Place

Healthcare Monitoring System for Household Use

Krisila Hammett, Ryan Pasquel, Collin Paquin, and Douglas E. Dow
(Wentworth Institute of Technology)

Poster Award – Honorable Mentions

Boston Based Renewable Energy System Simulations

Nick Cerone, Jacob Najjar, Jonathan Padrazo, Debra Shepard, and Saurav Basnet
(Wentworth Institute of Technology)

Energy Efficiency Monitoring and Control System for Home Appliances

Timothy Knief, Kathryn D. Dechambeau, Kirsten M. Gramajo, Afsaneh Ghanavati, and
Douglas E. Dow (Wentworth Institute of Technology)

Low Cost Wheelchair Motorization Kit

Jake Goldberg, Issac V. Mihalescu, and Saurav Basnet (Wentworth Institute of Technology)