

List of Award Winners at 2020 ASEE NE Conference

Student Posters:

First

Olivia Ryan and Harrison Levesque

“Improving Children's Bicycle Safety Through the Use of "Smart" Technology”

Roger Williams University

Second

Tarannum Surovi

“DISCOVERY OF SERUM METABOLIC BIOMARKERS FOR LUNG COLLAPSE (HYPOXIA) AND RE-EXPANSION (REOXYGENATION) INJURY”

University of Bridgeport

Third

Ryan Lawton, Tyler Cosma and Mohamedsiddik Rana

“An Interactive Method to Teach Fluid Mechanics- Game”

Wentworth Institute of Technology

K-12 Honorary Awards:

Aditi Deokar

Regulation of CDK16 in PNET Cells

Boston University Academy

Richard Xiong

“Game Changers”, A Robotic Project for FIRST Tech Challenge Competition

Hillcrest Middle School, Trumbull, Connecticut

Berra Barkana, Duha Barkana

An approach to calculate the percentage of growth or shrinkage of wounds at the dermal layer

Masuk High School, Monroe, CT

Aparna Deokar

Fixing Fungi: The filling of concrete cracks by fungi

Boston University Academy

Student Papers:

First:

OSCILLUS: Harnessing Wave Energy

Samuel Hibbard

Jakob Ringberg

Cory Lafleur

Damon Artis

Jordan Leong

Bala Maheswaran

Northeastern University

Second:

Viscosity Specification of Acrylic White Latex Paint Using Six Sigma

Laarni Beciril

University of Bridgeport

Third:

Energy Harvesting Potential of Autorotating Turbines

Seth Pearl, Rachmadian Wulandana

SUNY, New Paltz

Faculty / Professional Papers

First

Fundamental Mathematical Skill Development in Engineering Education

Fiona Levey, Michael R. Johnson

Wentworth Institute of Technology

Second

Introduce Ladder Logic and Programmable Logic Controller (PLC)

Douglas Dow, Nicolas P. DeGuglielmo, Saurav M.S. Basnet

Wentworth Institute of Technology

Third

Integrating Machine Learning with MATLAB and Simulink in an Introductory Robotics Class

Julius Marpaung, Rickard Stureborg, John Kimani

Northeastern University

Outstanding Teacher Award – Northeast Section, 2019-2020

Erica Kemmerling, Tufts University

Outstanding Campus Representative Award – Northeast Section, 2019-2020

Kris Jaeger-Helton

Northeastern University