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