Fundamentals of Sensing Technologies - STEM Educators Workshop
Maritime Security Center, Room 607
The Babbio Center, Stevens Institute of Technology
March 22, 2019 - Agenda

9:00 am  Arrival, Coffee

9:10 am  Welcome and Introductions
Beth Austin-DeFares, Director of Education, Maritime Security Center

9:15 am  Introduction to the ACES Program
Edlyn Thompson-Mettle, Associate Director for Diversity Programs, Accessing Careers in Engineering and Science (ACES) Program, Stevens Institute of Technology

9:25 am  Introduction to the Maritime Security Center
Beth Austin-DeFares

9:35 am  Fundamentals of Sensing Technologies
Liesl Hotaling, Eidos Education

10:10 am  Break

10:20 am  How the Coast Guard Uses Sensor Data to assist in Search and Rescue Missions - LTJG Alex Kloo, Command Duty Officer, Sector Command Center, USCG Sector New York

10:50 am  Real Time Data Example 1 – Search and Rescue

11:30 am  RTD Example 2 – Ship Traffic

12:15 pm  Lunch

1:15 pm  RTD Example 3 – Ocean Weather Forecast

2:00 pm  Constructing a Temperature Sensor – Part 1

3:00 pm  Break

3:15 pm  Constructing a Temperature Sensor – Part 2

4:30 pm  Discussion – uses in your teaching

4:50 pm  Evaluation

5:00 pm  Adjourn

The workshop is being offered with funding support by the U.S. Department of Homeland Security under Cooperative Agreement No. 2014-ST-061-ML0001.