	Sunday, October 2, 2022 Stata Center 32-123 (Lightning Talks Schedule) Session Chair: Bruce Hecht		
TIME	**TITLE**	**AUTHORS / SPEAKERS**	**Technical Track**
11:30AM	**ID-3 PAPER (VIRTUAL): 10min** Eye-Net: An Interpretable Machine Learning Ensemble for Feature Engineering, Classification, and Lesion Localization of Diabetic Retinopathy	Justin Liu (Palos Verdes Peninsula High School)	Machine Learning / Artificial Intelligence (AI)
11:40AM	**ID-4 PAPER (VIRTUAL): 10min** A Natural Language Processing and Machine Learning-Based Framework to Automatically Identify Cyberbullying and Hate Speech in Real-Time	Samyak Shrimali (Jesuit High School)	Machine Learning / Artificial Intelligence (AI)
11:50AM	**ID-156 (VIRTUAL):** Utilizing Machine Learning techniques to explain the role of Primary Cilia in Aging and Alzheimer's Disease	Aneesh Mazumder (University of North Texas)	Biological and Biomedical Engineering (BioEECS)
11:55AM			
12:00PM	**ID-90:** Harnessing Instabilities during Frontal Polymerization for Patterning	Aarav Seth (University of Illinois)	Circuits, Materials, and Nanotechnologies
12:05PM	**ID-119:** Analyzing the Thermal Capturing Properties and Performance of PCM in Automobile Roofs for Interior Temperature Regulation	Pranav S Manikonda (Manalapan High School)	Circuits, Materials, and Nanotechnologies
12:10PM	**ID-127:** Melanoma Detection and Classification using Machine Learning Algorithms	Pranav S Manikonda (Manalapan High School)	Machine Learning / Artificial Intelligence (AI)
12:15PM	**ID-132:** AI-WAMP: An Industrial Workplace Alerting and Monitoring Platform to Prevent Workplace Injury and Accidents	Sanjay Adhikesaven (Foothill High School)	Machine Learning / Artificial Intelligence (AI)
12:20PM	**ID-135:** Genetic Screen for Age Reversal in Neurons	Carol Magalhaes (Church Lab)	Biological and Biomedical Engineering (BioEECS)
12:25PM	**ID-139:** At the Forefront of a Scientific Breakthrough - Experiments and Paradoxes	Alexei Korolev (Morris County School of Technology)	Innovation Research