

IEEE MIT Undergraduate Research Technology Conference 2021  
Lightning Talks Schedule

**Sunday, October 10, 2021**  
**11:30PM to 1:00PM (Main Stage)**  
Session Chair: **Cathy Yung**

EST TIME	TITLE	PRESENTERS
11:30AM	<b>ID-5</b> Automated detection and segmentation of electrocautery instrument and surgical wounds based on Mask-RCNN and YOLOv3	<b>Tingyan Deng</b> (Vanderbilt University)
11:40AM	<b>ID-77</b> Integrating Clinical and Genomic Data for Precision Medicine	<b>Samay Nandwana</b> (Princeton Day School)
11:50AM	<b>ID-95</b> Improved Forecasting of American COVID-19 Cases and Deaths Through Recursive Machine Learning Modelling	<b>Anaiy Somalwar</b> (BASIS Independent Silicon Valley)
12:00PM	<b>ID-104</b> Mitigating Astronauts' Susceptibility to Infectious Agents in Space Using an Immunomodulatory Compound	<b>Sarah A Alsuleiman</b> (University of Nebraska Omaha)
12:10PM	<b>ID-106</b> Talk - The Effect Of Data Augmentation on Deep Representations	<b>Phuc H Ngo</b> (Beloit College)
12:20PM	<b>ID-108</b> Superconducting properties of single-photon-sensitive MoSi microwire-based detectors	<b>Ekaterina Y Arutyunova</b> (Wellesley College)
12:30PM	<b>ID-114</b> Naming Schema for a Human Brain-Scale Neural Network	<b>Morgan Schaefer</b> (Massachusetts Institute of Technology)
12:40PM - 1:00PM	<b>Open Session for questions for all the presenters</b>	