

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-123)
AM Track #1A: Technology of Computation
Track Chairs: James Byleckie & Qiaoyan Yu



Massachusetts
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EST TIME	PAPER TITLE	PRESENTERS
10:00AM - 11:30AM	ID-13 EchoVest: Real-Time Sound Classification and Depth Perception Expressed through Transcutaneous Electrical Nerve Stimulation	Jesse Choe (Naval Research Laboratory); Siddhant Sood, Ryan W Park (Thomas Jefferson High School for Science and Technology)
	ID-26 A Machine Learning approach in predicting Antimicrobial Resistance (AMR) in Escherichia coli (E. coli)	Sailahari Mullapudi (Cambridge Centre for International Research)
	ID-27 Propensity Score Matching for Evaluating Flashbang Effects in Counter-Strike	Charles V Wheaton (USMA Dept. of Mathematics)
	ID-33 Machine Learning for Neural Decoding: Using EEG Signals to Detect Freezing of Gait in Parkinson's Patients	Kaelyn Johnson, Julia Cho, Ranajoy Gupta (NJ Governor's School of Engineering and Technology); Ritvik Sawhney, Daniel L Zeltser (Rutgers University)
	ID-43 Soldier Activity Recognition	Andrew Zhang (United States Military Academy)
	ID-47 Charged Particle Motion in Neutron Star Magnetic Fields: A Comparison Between the Boris Algorithm and the Guiding Center Approximation	Minghao Zou (Valley Christian High School)
	ID-52 A computer vision approach to radial velocity extraction for exoplanet detection	Katelyn Gan (Sage Hill School, California)
	ID-70 Developing a Group Performance Prediction System from In-the-wild Video Data using Machine Learning	Aarav Patel (Amity Regional High School)
	ID-56 Simulating Molecular Markers in Acute Myeloid Leukemia Using Quantum Computing	Akshita Tiwari (Academy of Science)

AM TRACK #1A

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-123)
AM Track #1B: Technology of Computation
Track Chairs: James Byleckie & Qiaoyan Yu



Massachusetts
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EST TIME	PAPER TITLE	PRESENTERS
11:30AM - 1:00PM	ID-72 Toward Faster Search and Rescue: Understanding Terrains with Reeb Graphs	Maxwell G Simpson (University of Richmond)
	ID-77 3D Neural Network Model for the Transient Heating of Icy Mountains Due to Foehn Winds	Sophia Wang (The Brearley School)
	ID-83 A Secure Friend Recommendation Framework for Online Social Networks using OpenAI Embeddings	Mohit Singh (Montclair State University)
	ID-94 Multi-Task Breast Ultrasound Image Segmentation and Classification Using Convolutional Neural Network and Transformer	Joanna L Loja, Armando Mendez (Kean university)
	ID-100 Image Super Resolution for Scanning Tunneling Microscopy and Atomic Force Microscopy	Rockwell T Li (Ocean Lakes High School)
	ID-108 Wearable Wellness: Depression Screening via Fitbit Data Collected During COVID-19 Pandemic	Nikola Grozdani, Alexander Pietrick (Worcester Polytechnic Institute)
	ID-113 A Fast Machine Learning Algorithm for the MaxCut Problem	Allison Jin (Columbia University)
	ID-120 PaQKD: Optimizing Qubit Retention in Quantum Key Distribution using Packeting	Romir G Sharma (West Windsor-Plainsboro High School South); Winston Wang (Millburn High School)

AM TRACK #1B

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-123)
PM Track #1A: Technology of Computation
Track Chairs: James Byleckie & Qiaoyan Yu



EST TIME	PAPER TITLE	PRESENTERS
1:30PM - 3:00PM	ID-46 A Lagrangian Approach to Loss Function Optimization on Traffic Network Regularity	Advay Vyas, Ethan A Rebello (University of North Texas)
	ID-122 PFAS Incineration: Known Unknowns, Reaction Simulation, and ML to Predict Product Properties	Duncan Soiffer (Worcester Polytechnic Institute)
	ID-126 A Multi-Dimensional Parity-Switched Packet Protocol for Qubit Retention and Mitigating Eavesdropping in Quantum Key Distribution Algorithms	Ishan A Mungikar (Montgomery High School)
	ID-128 2D-FACT: Dual-Domain Fake Image Detection Against Text-to-Image Generative Models	Eric Ji (University of Illinois Urbana-Champaign)
	ID-136 SMPNet: An Algorithmic Framework for Loneliness Detection and Mitigation in Social Media	Jack J Yin, Sumukh Venkatesh, Raghav Aggarwal (University of Iowa)
	ID-320 Testing RadiX-Nets: Advances in Viable Sparse Topologies	Kevin Dong Gun Kwak, Zachary West (Massachusetts Institute of Technology)
	ID-321 Algebraic Conditions on One-Step Breadth-First Search	Emma Fu (Massachusetts Institute of Technology)
	ID-323 Fuzzy Relational Databases via Associative Arrays	Kevin Min (Massachusetts Institute of Technology)
	ID-34 (Technology of Engineering) Increasing Sulfur Solubility for More Efficient Nuclear Waste Vitrification	Patricia E Leoniuk, Geoffrey E Tillisch, Alex F Harvey (NJ Governor's School of Engineering and Technology)

PM TRACK #1A

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-123)
PM Track #1B: Technology of Engineering
Track Chairs: James Byleckie & Qiaoyan Yu



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EST TIME	PAPER TITLE	PRESENTERS
3:00PM - 4:30PM	ID-66 Exoskeleton Hand for the Management of Hypermobility Ehlers Danlos Syndrome	Jessica Scholz, Timothy Bun, Emily A Oman (Wentworth Institute Of Technology)
	ID-74 EchoSense: Acoustic Sensing for Enclosed Structure Monitoring and Recognition	Zhuolin Liu, Michael M Rothstein (Worcester Polytechnic Institute)
	ID-110 A Fourier Dot Product Analog Circuit	Jack T Adiletta (Worcester Polytechnic Institute)
	ID-112 A Novel Fault Tolerant Dual-Loop Control System for Autonomous Quadcopter Navigation	Anish Anand (Palos Verdes Peninsula High School)
	ID-116 Outlier Detection and Removal Signal Processing for Wearable Transcutaneous Oxygen Sensor	Vanshika Rohera, Ciara Murphy (Worcester Polytechnic Institute)
	ID-117 Characterization of Temperature Distribution and Design of a Battery Thermal Management System for Lithium-polymer Batteries	Vibhav Chaturvedi, Ajay Raj, Juliette Cheng, Jonathan McAveety (New Jersey Governor's School of Engineering and Technology)
	ID-123 Aiding Stroke Survivors with 3D Printed Bottle Opener	Ralitsa Hovanessian, Nathan He (Ocean Lakes High School); Tyler Cason (Old Dominion University)
	ID-138 Pressure Sensitive Mattress Pad for Tracking Pressure Injuries in the Geriatric Population	Olivia Wojnilo, Joseph M Confessore (University of Rhode Island)
	ID-148 Preliminary Design and Prototype for a 1P PocketQube Earth Observation Satellite	Jason R Rinehart, Kieran Shanley, Michael Sonntag, Patrick Blanchard, Trout Marnell (Wentworth Institute of Technology)

PM TRACK #1B

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-141)
AM Track #2A: Technology of Humanity
Track Chairs: Sreeram Dhurjaty & Riddhiben Shah



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EST TIME	PAPER TITLE	PRESENTERS
10:00AM - 11:30AM	ID-23 VRGrip: Developing a grip strength training platform integrating a wireless e-textile forearm band with an adaptive 3D VR game environment	Lohith S Chatragadda, Aiden Fletcher (University of Rhode Island)
	ID-53 The Fallibility of AI Content Detectors	Ethan P. Zhou (Massachusetts Academy of Math and Science at WPI)
	ID-54 Building User-Centered ASL Communication Technologies for Parent-Child Interactions	Ashley Bao (Amherst College); Kaleb S Newman (Brown University)
	ID-57 Semi-Supervised Pulmonary Auscultation Analysis with Cross Pseudo Supervision	Jieruei Chang (Princeton High School)
	ID-61 Hydrogel-Assisted Brain Transplantation of HOXA3-Expressing Endothelial Progenitor Cells for Brain Repair After Stroke	Christine Xie (Palos Verdes High School)
	ID-62 A Quantitative Method for Comparing Shipboard MVAC and MVDC Power Transmission	Spencer Margosian (Glosten)
	ID-76 A Novel Approach to Facilitate Peripheral Nerve Regeneration: An Electrospun Conduit, Hydrogel Filling, and Internal Microchannels	Cassandra J Miller, Shrey Agarwal, Derek Wang, Bridget R Heffernan (New Jersey Governor's School of Engineering & Technology)
	ID-85 Serum Bilirubin Prediction for Neonates using Segmentation-Guided Neural Networks	Om Shah (Lakeside School)
	ID-95 A Novel Series Elastic Actuation Method in A Semi-soft Robotic Rehabilitation Glove	Amisha Sao (Polygence)

AM TRACK #2A

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-141)
AM Track #2B:
Technology of Automation
Track Chairs: Sreeram Dhurjaty & Riddhiben Shah



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EST TIME	PAPER TITLE	PRESENTERS
11:30AM - 1:00PM	ID-45 Understanding Dynamic Human Intentions to Enhance Collaboration Performance for Human-Robot Partnerships	Weitian Wang (Montclair State University)
	ID-49 Enhancing Photometric Redshift Predictions and Uncertainty Quantification using Deep Learning Methods	Rushat Aboti (Cambridge Center for International Research)
	ID-71 Devising Overtraining Curriculum Learning Techniques to Enhance Autonomous Navigation Reinforcement Learning	Aarav Patel (Amity Regional High School)
	ID-87 Towards Detecting Cascades of Biased Medical Claims on Twitter	Juan Sanchez Mercedes (Bryant University)
	ID-91 Converting Biological Neural Networks to DAGs: Evaluation of Customized Algorithms on C. Elegans	Benjamin Li (River Hill High School)
	ID-101 Comparing Traditional Computer Vision Algorithms and Deep Convolutional Neural Networks as Self Driving Algorithms for Use in Dynamic Conditions	Shilpi P Shah (Rutgers University)
	ID-106 Path Synthesis of Planar Linkage Mechanisms Using Deep Generative Models	Abhay Bhaskar (Middlesex County Academy for SMET)
	ID-140 Kernelytics: Multispectral Drone Imagery and Deep Learning for Early Corn Assessment	Max Xiong (Rutgers Preparatory School); Bhaumik Mehta (West Windsor Plainsboro High School North); Sophia Liu (Cherry Hill High School East); Kavya Famolari (North Hunterdon Highschool); Oliver Aplin (St. Joseph's Preparatory School)
	ID-147 Accessible Framework for Automation in Precision Agriculture Leveraging Boston Dynamics' SPOT	Anthony J Boyle, Rebecca Cui, William Dougherty, Ryan M Lalani, Apurva Parasher (Rutgers University)

AM TRACK #2B

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-141)

PM Track #2A:

Technology of Humanity, Technology of Automation

Track Chairs: Sreeram Dhurjaty & Riddhiben Shah)



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EST TIME	PAPER TITLE	PRESENTERS
1:30PM - 3:00PM	ID-114 (Technology of Humanity) Analyzing the Discourse in the UN for Crisis Response in Post-Colonial Africa	Alvan C Arulandu (Harvard University); Brian L Zhou (Thomas Jefferson High School for Science and Technology)
	ID-130 (Technology of Humanity) A Graph-Theoretic Approach for Creating Non-Gerrymandered Congressional Voting Maps	Ethan A Rebello, Jayanth N Pandit, Zachary Li (University of North Texas)
	ID-137 (Technology of Humanity) De Novo Molecular Generation Using Deep Learning for Prioritizing Synthesizability	Shashwath K Inamdar (Secaucus High School)
	ID-166 (Technology of Humanity) Detection and Suppression of Parkinson's Disease Tremors	Unnati Seshadri (James Logan High School/Cambridge Centre for International Research)
	ID-9 (Technology of Automation) Classifying Schizophrenia Disorder through EEG Signal Analysis and Machine Learning	Nivashini Nattudurai (James Logan High School)
	ID-12 (Technology of Automation) High Speed Neural Network Tsunami Wave Simulator with Multiple Adjustable Parameters	Pramya Surapaneni (High Technology High School)
	ID-14 (Technology of Automation) Convolutional Neural Networks: Brain Computer Simulations for Potential Non-Invasive Schizophrenia and Psychiatric Treatment as alternative to medication	Anes Kim (University of Illinois Urbana Champaign)
	ID-16 (Technology of Automation) Orthographic Syllable Pair Encoding for Language modelling tasks in Indic Languages	Manodnya K H (PES University)
	ID-25 (Technology of Automation) Chain-of-Thoughts Prompting with Language Models for Accurate Math Problem-Solving	Sze Ching Evelyn Fung (Diocesan Girls' School)

PM TRACK #2A

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-141)
PM Track #2B (Virtual):
Technology of Humanity, Technology of Logic
Track Chairs: Sreeram Dhurjaty & Riddhiben Shah



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EST TIME	PAPER TITLE	PRESENTERS
3:00PM - 4:30PM	ID-50 (VIRTUAL) A Novel Web App based on a Computational Linguistic Approach To Deliver Primary Sentiment Stimuli for Music-Induced Analgesia in 30 Languages	Ryka C. Chopra (Mission San Jose High School)
	ID-81 (VIRTUAL) A Novel CNN-Informer Model for Electrocardiogram Time Series Forecasting	Jiya Patil (Foothill High School)
	ID-84 (VIRTUAL) Insights into the Impact of Age and Sex on Mutational Signatures in Pediatric Brain Tumors	Erin C Yoo (Lowndes High School)
	ID-89 (VIRTUAL) Quantitative Feasibility of Predictive Machine-Learning Optimization Algorithms for Refugee Routing	Luke H Jeon (Chatsworth Charter High School)
	ID-134 (VIRTUAL) Assessment and Quantification of Virtual Reality Induced Sickness in Relation to Age and Gender: A Multi-Modal Approach	Abhiram N Reddy (Allen High School)
	ID-146 (VIRTUAL) Conceptual Mechatronic Design of Ankle-foot Exoskeleton System for Assisted Rehabilitation of Pediatric Patients with Spastic Cerebral Palsy	Carol Sandoval (Universidad Ricardo Palma)
	ID-146 (VIRTUAL) - Technology of Logic Results on Vanishing Polynomials and Polynomial Root Counting with Relevant Technological Applications	Justin Zhang (Bergen County Academies)
	ID-19 (VIRTUAL - No Recording) MAC-You-Vision: A Progressive Training Application for Patients with Age-Related Macular Degeneration	Max Sehaumpai (The City College of New York)

PM TRACK #2B

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-155)

AM Track #3A:

Technology of Networks, Technology of Sustainability

Track Chairs: Rui Ma & Ziyao Ma



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EST TIME	PAPER TITLE	PRESENTERS
10:00AM - 11:30AM	ID-22 (Technology of Network) Securing Quantum Computers: Safeguarding Against Eavesdropping and Side-Channel Attacks	Pranav Gani (East Hamilton High School)
	ID-103 (Technology of Network) Development of a Low-Cost Vibration Sensor for Structural Health Monitoring: A Case Study on the Golden Gate Bridge	Jonathan S Lee (Archbishop Mitty High School)
	ID-127 (Technology of Network) SeBRUS: Mitigating Data Poisoning Attacks on Crowdsourced Datasets with Blockchain	Anusha Iyer, Chloe H Lee, Trisha V Reddy, Rebekah Wang (Rutgers University)
	ID-150 (Technology of Network) Enhancing DoS Attack Recovery in MQTT Brokers for IoT Systems through Efficient Scheduling Algorithms	Pranav Sitaraman (Edison Academy Magnet School)
	ID-171 (Technology of Network) Enabling Computational Democratization: A Proof-of-Stake Bounty System for User-Proposed Problems and Solutions	Nishka Arora, Sarah Hashash, Kimia Hassibi (California Institute of Technology)
	ID-322 (Technology of Network) From Bits to Insights: Exploring Network Traffic, Traffic Matrices, and Heavy-Tailed Data,	Christopher J Howard (Massachusetts Institute of Technology)
	ID-48 (Technology of Sustainability) Solvent Free Copper Extraction	Derek Lovejoy (Umass Lowell)
	ID-86 (Technology of Sustainability) Mechanics of a Drone-Based System for Algal Bloom Detection Utilizing Deep Learning and LLMs	Andrea N Balcacer (Kean University)
	ID-96 (Technology of Sustainability) A Novel Machine Learning Approach for Flood Prediction with Local Interpretable Explanations	Joseph Tso (Woodson High School); Hailey Pan (George Mason University)

AM TRACK #3A

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-155)

AM Track #3B (HYBRID):

Technology of Sustainability, Automation, Computation

Track Chairs: Rui Ma & Ziyao Ma



Massachusetts
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Technology

EST TIME	PAPER TITLE	PRESENTERS
11:30AM - 1:00PM	ID-98 (Technology of Sustainability) Turning Food Waste Into Bioactive Glass: A Simulation	Sera Wong, Anika Reddy Chapalapalli, Maxwell V Duerr, Adrian H Reyes, Tessa Weaver (NJ Governor's School of Engineering And Technology)
	ID-109 (Technology of Sustainability) Towards Data-Driven Methods for Decarbonizing Reverse Osmosis Desalination	Om Sanan (Scarsdale High School)
	ID-118 (Technology of Sustainability) Autonomous Roof Solar Potential Estimation Using UAV Photogrammetry	Nicholas Meng (The Pingry School)
	ID-141 (HYBRID) - Technology of Sustainability Conversion of Polypropylene Plastic Waste to Luminescent Carbon Dots	Victoria R Christianson (VIRTUAL), Maxim Veksler, Kai Song, Sofia Zhang, (NJ Governor's School of Engineering and Technology); Daphne J Rodas (Rutgers University)
	ID-30 (VIRTUAL) - Technology of Sustainability Towards Sustainable Development: A Novel Integrated Machine Learning Model for Holistic Environmental Health Monitoring	Sarthak R Engala, Aditya Nallapuraju (University of North Texas)
	ID-29 (VIRTUAL) - Technology of Automation Classifying Pothole Severity with Convolutional Neural Networks	Sahil Bhatia (Research Triangle High School)
	ID-35 (VIRTUAL) - Technology of Automation Ultrasound segmentation using deep learning: training on musculoskeletal phantom data and testing on clinical data	Yi Li (Boston College)
	ID-64 (VIRTUAL) - Technology of Automation Transforming Architectural Visualizations for Generative xR Renderings using Fine-tuned AI Models	Carina Kim (University of California Berkeley)
	ID-37 (VIRTUAL) - Technology of Computation Predicting Dosage of Immunosuppressant Drugs After Kidney Transplantation Using Machine Learning	Anirudh Mazumder (University of North Texas)

AM TRACK #3B

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-155)

PM Track #3A (HYBRID):

Technology of Engineering, Networks, Computation

Track Chairs: Farzane Yahyanejad & Shaileshachandra Pandey



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EST TIME	PAPER TITLE	PRESENTERS
1:30PM - 3:00PM	ID-121 (HYBRID) - Technology of Engineering Application of Nanoimprint Lithography to Conducting Polymers for Infrared Photonics	Riya Sikand (VIRTUAL), Matthew Oliveira, Yuki N Wykoff, Nanda Guntupalli, David Man (Rutgers University)
	ID-82 (HYBRID) - Technology of Networks A Modern Real-Time Audio Encryption System Featuring Chaos Maps and Wavelet Transforms	Riya R Pawar (VIRTUAL), Evan Merkov (VIRTUAL), Eshaan Debnath (VIRTUAL), Rohan Bhatia (VIRTUAL), Kavya Venkatesan (In-Person) (Rutgers University)
	ID-15 (VIRTUAL) - Technology of Computation Kulkarni-Ahona Corollary for the Newton-Gauss Theorem	Pranav Kulkarni (Los Angeles Pierce College)
	ID-42 (VIRTUAL) - Technology of Computation Multimodal Ensemble Models for Parkinson's Disease Diagnosis Using Log-Mel Spectrograms and Acoustic Features	Tesfai D Samuel (C. Milton Wright High School)
	ID-44 (VIRTUAL) - Technology of Computation The first use of positive and unlabeled machine learning to identify fast radio burst repeater candidates	Arjun Sharma (The Shri Ram School, Moulisari)
	ID-99 (VIRTUAL) - Technology of Computation A Comparative Analysis of Hybrid Quantum Neural Networks in Binary Credit Defaulting Tasks	Aditya Sengar, Aarya Vijayaraghavan (Thomas Jefferson High School for Science and Technology)
	ID-129 (VIRTUAL) - Technology of Computation A Fundamental Analysis of Stock Returns using Machine Learning Algorithms	Andy Qin (Plano West Senior High School)
	ID-28 (VIRTUAL) - Technology of Computation Hybrid Quantum-Classical Machine Learning for Dementia Detection	Ryan Kim (Thomas Jefferson High School for Science and Technology)

PM TRACK #3A

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Saturday, October 7, 2023 (Stata Center 32-155)

PM Track #3B (VIRTUAL):

Technology of Engineering, Networks

Track Chairs: Farzane Yahyanejad & Shaileshachandra Pandey



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EST TIME	PAPER TITLE	PRESENTERS
3:00PM - 4:30PM	ID-21 (VIRTUAL) - Technology of Engineering Monitoring, Characterization, and Modeling of Stomatal Dynamic Behavior Under Climate Change	Gokulraj Kumarassamy, Kaitlyn S Amanullah, Brianna J Campbel, Natalia R Wolinski (Rutgers School of Engineering)
	ID-59 (VIRTUAL) - Technology of Engineering Proportional-Integrative-Derivative Based Dynamic Controller for Soft Robots	Anirudh Mazumder (University of North Texas)
	ID-107 (VIRTUAL) - Technology of Engineering Probing the Anisotropic Thermal Conductivity in Lithium-Ion Polymer Batteries	Agastya Kalagarla, Farhaan M Shroff, Elizabeth Van Der Schaar, Kevin B Liu (Governor's School of Engineering and Technology (GSET))
	ID-145 (VIRTUAL) - Technology of Engineering Soft Robotic Nurse Arm Test-Cases: A comparative Analysis of Laminar and Granular Jammed Skeletons	Aysu Ismayilova (ELTE - Eötvös Loránd University); Nihad Habizada (Baku Higher Oil School)
	ID-38 (VIRTUAL) - Technology of Networks Blockchain-Powered Supply Chain Management for Kidney Organ Preservation	Kapil Panda (University of North Texas)
	ID-63 (VIRTUAL) - Technology of Networks Evaluation of Entanglement-Based Quantum Key Distribution for Genome Data Transmission	Hyunjo Kim (Radley College)
	ID-93 (VIRTUAL) - Technology of Networks How Private Is Your Browsing? Detecting GDPR Violations Through Robust Natural Language Processing and Thorough Static Program Analysis Technique	Gary Song (University of California, LA)
	ID-102 (VIRTUAL) - Technology of Networks Integrating Audio-Visual Features for Multimodal Deepfake Detection	Sneha Muppalla (Cupertino High School)

PM TRACK #3B

IEEE MIT Undergraduate Research Technology Conference 2023
Technical Paper Oral Presentation Schedule



Sunday, October 8, 2023 (Stata Center 32-123)
Technical Paper and Virtual Posters
Track Chairs: James Byleckie & Qiaoyan Yu



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EST TIME	PAPER TITLE	PRESENTERS
8:00AM - 10:00AM	ID-149 PAPER - Technology of Humanity Reducing Noise Pollution with an Adaptive Barrier	Olivia J Mei, Thomas Liu, Thomas Wen (NJ Governor's School of Engineering and Technology; Rutgers University)
	ID-135 PAPER (VIRTUAL) - Technology of Automation CardiAWARE: A Novel ECG-based Deep Neural Network Algorithm for Early Detection of Cardiac Conditions	Eashan Kosaraju (Case Western Reserve University)

SUN AM TRACK