

## IEEE ISEC 2020 - POSTER AWARDS FINAL

### POSTER LISTS FINAL

FIRST				
SECOND / THIRD				
CATEGORY	Rank	ID	Title	Author
Most Global Impact	1	1570631015	Developing a Respiration Sensor for Babies	Ingrid J. Cruz (Oxon Hill Middle School & Southern University, USA); Michelle Soriano, Sarah Christie, Jazlyne Pichinte and Peter Chura-Borda (Oxon Hill Middle School, USA)
Most Global Impact	2	1570631041	Aerogel Composites: Historical and Novel Synthesis Methods and Applications	Michael Chen (Hillsborough High School, USA); Akindu Dasanayake (Hillsborough High School, USA); Rohan Deb ((Hillsborough High School); Varun Deb (Hillsborough High School); and Evan Zhao (Dunlap High School, IL)
Most Global Impact	2	1570624827	Edison High School iSTEM Club: A Model for Educational Excellence in STEM	Sunrit Panda, Aditi Deshmukh, Gunjan Adya and Ali Ahmed (Edison High School & iSTEM Club, USA)
Most Interdisciplinary Approach	1	1570632380	How STEM can help save lives in Tsunami prone areas	Joshua Tewolde (Grand Bland West Middle School, USA); Girma Tewolde (Kettering University, USA)

POSTER LISTS FINAL

FIRST				
SECOND / THIRD				
CATEGORY	Rank	ID	Title	Author
Most Interdisciplinary Approach	2	1570619823	Utilizing Different Types of Synthetic Fabrics as a Cement Reinforcement for Concrete Tile Roofing	Blessed Isaac C Conde and Daniel Jerlan S Coladilla (La Salle Green Hills, Philippines)
Most Interdisciplinary Approach	2	1570622461	The Utilization of the Feynman Technique in Paired Team Teaching Towards Enhancing Grade 10 ANHS Students' Academic Achievement in Science	Ronnel Ian A. Ambion, Rainier Santi C. De Leon, Alfonso Pio Angelo R. Mendoza and Reinier M. Navarro (La Salle Green Hills, Philippines)
Best Science Research	1	1570629690	Rapid and Novel Thickness Identification Methodology For Two-Dimensional MoS <sub>2</sub> and In <sub>2</sub> Se <sub>3</sub> Nanosheets Using Optical Microscopy	Darren Y Wu (Charter School of Wilmington, USA); Tingyi Gu (Columbia University, USA)
Best Science Research	2	1570631258	Quality Control of Brand Name Aspirin drug and Generic Aspirin drug	Jiale Lu (Princeton International School of Mathematics and Science, USA)
Best Engineering Design	1	1570628462	Object Recognition using TensorFlow	Nahuel E Albayrak (Chesapeake Science Point High School, USA)
Best Engineering Design	2	1570632885	Defending Convolutional Neural Network-Based Object Detectors Against Adversarial Attacks	Victor Hu (Watchung Hills Regional High School, USA); Jeffrey Cheng (Bridgewater Raritan Regional High School, USA)

POSTER LISTS FINAL

FIRST				
SECOND / THIRD				
CATEGORY	Rank	ID	Title	Author
Best Technology Innovation	1	1570631047	Case Study of Asymmetries in Polar Rain Aurora	Dennis M Herschbach (Reservoir HS, USA); Yongliang Zhang (Johns Hopkins University Applied Physics Laboratory, USA)
Best Technology Innovation	1	1570631244	Effect of Roundup on Planarian Locomotion	Neelofar F Tamboli (Princeton International School of Mathematics and Science, USA)
Best Technology Innovation	1	1570631247	Catalytic Ability of Ag-coated Ferromagnetic Microspheres Functionalized by TiO2	Qiyang Zhou (PRISMS, USA)
Best Technology Innovation	2	1570622438	Efficiency of organic deodorizer in removing foul smell in shoes	Ben Angelo P. Sebastian (La Salle Green Hills, Philippines); Alejandro Jose C. Javier, N. a. (La Salle GreenHills, Philippines); Ryan Andre Mari Flores Chua and Byron Miguel De Guzman Traje (La Salle Green Hills, Philippines)
Best Mathematical Research	1	1570629890	Study of sample efficiency improvements for reinforcement learning algorithms	Tianyue Cao (Princeton International School of Mathematics and Science, USA)
Best Mathematical Research	2	1570632071	Magnet Dynamo - Princeton University EPICs	Hugo Kim (Princeton University EPICS, USA)
Best Computer Science Research	1	1570630310	A Futuristic Kitchen Assistant - Powered by Artificial Intelligence and Robotics	Riya J. Roy (Ridge High School, USA)
Best Computer Science Research	2	1570627579	An Optimization of Computational Resources Allocation for Multi-MEC and Cloud Networks	Ally Y Du (The High School Affiliated to Renmin University of China, China)

POSTER LISTS FINAL

FIRST				
SECOND / THIRD				
CATEGORY	Rank	ID	Title	Author
Promising Rookie	1	1570628439	Relationship between Musical Scale, Cello String Length, and Math	Neo Cheng (Clarksville Elementary School, USA)
Promising Rookie	2	1570633092	Object Recognition Using TensorFlow	Nahuel E Albayrak (Chesapeake Science Point High School, USA)
Overall	1	1570631015	Developing a Respiration Sensor for Babies	Ingrid J. Cruz (Oxon Hill Middle School & Southern University, USA); Michelle Soriano, Sarah Christie, Jazlynne Pichinte and Peter Chura-Borda (Oxon Hill Middle School, USA)
Overall	2	1570627579	An Optimization of Computational Resources Allocation for Multi-MEC and Cloud Networks	Ally Y Du (The High School Affiliated to Renmin University of China, China)