

2023 Winners

Grade Level Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
1st Grade			
1st Place	Anti Gravity Tissue Case	Haley Yang	California Invention Convention
2nd Place	The Calm Down Bunny	Everly Schulte	Northern New England Invention Convention - Young Inventors' Program
3rd Place	Mud Be Gone	Grace Woo	California Invention Convention
2nd Grade			
1st Place	Squeaky Clean Machines	Wally Von Cannon	Florida Gulf Coast Invention Convention/Edison Fairs
2nd Place	The Cane Catcher	Alessandra Casey	Florida Gulf Coast Invention Convention/Edison Fairs
3rd Place	Twist-A-Bottle	Michael Bassett	Ohio Invention Convention by Invention League
3rd Grade			
1st Place	SEL Simmer Seat	Avery Schneider	Pennsylvania Invention Convention
2nd Place	Wrap-N-GO Pencil Holder	Reimi Tanimura	California Invention Convention
3rd Place	Step-by-Step Hand Holder	Katherine Cho, Rebekah Huang	ICW Independent Inventor Program
4th Grade			
1st Place	CheckPak	Aarav Patel	California Invention Convention
2nd Place	You CAN Touch This!	Lillian Long	Tampa Bay Invention Convention
3rd Place	Stick-A-Bowl	Coriana Wightman	Pennsylvania Invention Convention
5th Grade			
1st Place	Analyzing Lung Cancer Using AI	Mahi Patel	Tampa Bay Invention Convention
2nd Place	Apple Iris	Allison McCormick	Invent Idaho
3rd Place	Bottle Buddy	Leah Delmonico, Riley Fegely	Pennsylvania Invention Convention

Grade Level Winners (continued)

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
6th Grade			
1st Place	RollSTOP	Rayan Zaidi	Chicago Student Invention Convention
2nd Place	Comfort Covering	Jonathan Keeler, Collin Wirkner	Invention Convention Michigan
3rd Place	Smart Mailbox	Vinoda Thiyagarajan	Ohio Invention Convention by Invention League
7th Grade			
1st Place	Becoming Aware	Charlotte Cook, Charlotte Wright	California Invention Convention
2nd Place	LOST IT? LOC8 IT! - A lost and found app for the blind	Sarah Varghese	California Invention Convention
3rd Place	Stall-O-Gap-Eliminator	Chloe Barraza, Sofia Flores	California Invention Convention
8th Grade			
1st Place	Terreus	Charlotte Fan, Wyatt Newbill	California Invention Convention
2nd Place	Plapper	Lara Otico	Georgia Tech K-12 InVenture Prize
3rd Place	Revo Elevator	Nithilan Murugesan	Ohio Invention Convention by Invention League
9th Grade			
1st Place	ePARK	Claire Rhodes	Ohio Invention Convention by Invention League
2nd Place	KESS: Kinetic Energy Storage System	Kurukulasuriya Nishini Fernando	Florida Gulf Coast Invention Convention/Edison Fairs
3rd Place	The Plant Dock: the Garden that Protects Crops Against Flood Damage	Erica Bourque, Driola Hoti	Georgia Tech K-12 InVenture Prize
10th Grade			
1st Place	FLOW: A Deep Reinforcement Learning ML Algorithm To Make Traffic Management More Effectual	Dhruva Sharma	Florida Gulf Coast Invention Convention/Edison Fairs
2nd Place	Retivision - An Advanced and Economical Method for Precise Fundus Disease Detection via Retinal Imaging and Deep Learning	Anish Bhethanabotla	California Invention Convention
3rd Place	G-Dog	Ria Mishra	Northern New England Invention Convention - Young Inventors' Program

Grade Level Winners (continued)

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
11th Grade			
1st Place	Dawsonite Diver: Electrolytic Extraction of Dawsonite from Ocean Water	Rylee Blair, Disha Mudenur, Dylan Striek	ICW Independent Inventor Program
2nd Place	Synovial Saver™: A Novel, Non-Invasive Medical Device That Detects Osteoarthritis Knee Joint Health Through Vibrational Sensing Methods	Yusef Mujtaba	Florida Gulf Coast Invention Convention/Edison Fairs
3rd Place	DoorBully	Rohan Kumar, William Susskind	Georgia Tech K-12 InVenture Prize
12th Grade			
1st Place	SolarPod	Joy Li, Michelle Li, Rachel Li, Tianjie Lu	Georgia Tech K-12 InVenture Prize
2nd Place	Medibound: A Low-Cost Machine Learning Diagnostic Device and Medical IoT Application as a Novel Approach to Combating Retinal Diseases	Aum Dhruv	Florida Gulf Coast Invention Convention/Edison Fairs
3rd Place	PAWE: The Portable Affordable Wheelchair Enhancer	Antonio Marzoratti, Arav Tyagi	ICW Independent Inventor Program

Industry Award Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Agriculture and Food	Apple Iris	Allison McCormick	Invent Idaho
Animal Care and Pets	PetBFound™	Dhira Sharma	Florida Gulf Coast Invention Convention/Edison Fairs
Consumer Goods and Fashion	RollSTOP	Rayan Zaidi	Chicago Student Invention Convention
Education	SEL Simmer Seat	Avery Schneider	Pennsylvania Invention Convention
Energy Presented by ITC Holdings Corp.	Human Powered Energy Harvester	Anant Arora	California Invention Convention
Environmental and Sustainability Presented by Avangrid Foundation	SolarPod	Joy Li, Michelle Li, Rachel Li, Tianjie Lu	Georgia Tech K-12 InVenture Prize
Health and Medical Presented by Danaher Foundation	You CAN Touch This!	Lillian Long	Tampa Bay Invention Convention
Household Organization and Appliances	Anti Gravity Tissue Case	Haley Yang	California Invention Convention

Industry Award Winners (continued)

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Manufacturing and Tools Presented by Stanley Black & Decker	Manure Mower	Alex Green	Texas Invention Convention
Safety	Comfort Covering	Jonathan Keeler, Collin Wirkner	Invention Convention Michigan
Sports, Games and Toys	Transforma-Tee	Ethan Chung	California Invention Convention
Transportation	FLOW: A Deep Reinforcement Learning ML Algorithm To Make Traffic Management More Effectual	Dhruva Sharma	Florida Gulf Coast Invention Convention/Edison Fairs

Patent Application Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Presented by WilmerHale	DoorBully	Rohan Kumar, William Susskind	Georgia Tech K-12 InVenture Prize
Presented by WilmerHale	H2O Monitoring For All: Solar Powered High-Frequency Water Quality Monitoring Device with Direct Continuous WiFi Data Uploading	Jack Driscoll-Natale	California Invention Convention
Presented by WilmerHale	The All Rodent Roll Bowl	Ryker Crabtree	Ohio Invention Convention by Invention League
Presented by WilmerHale	Anytime Vitals Anywhere (A.V.A.)	Nishant Narayanan	Chicago Student Invention Convention
Presented by WilmerHale	Step-by-Step Hand Holder	Katherine Cho, Rebekah Huang	ICW Independent Inventor Program
Presented by CantorColburn-Connecticut	DancelRight:Self Correction System for Dance Moves Using Machine Learning	Nidhi Lawange	California Invention Convention
Presented by CantorColburn-Detroit and General Motors	Synovial Saver™: A Novel, Non-Invasive Medical Device That Detects Osteoarthritis Knee Joint Health Through Vibrational Sensing Methods	Yusef Mujtaba	Florida Gulf Coast Invention Convention/Edison Fairs
Presented by CantorColburn-Detroit and General Motors	Biopurification: Utilizing Chlorella vulgaris and Spirulina major to create an open system bioreactor that generates electricity while running a dual purpose air purification and CO2 sequestration system	Amaya Etcheverry	Florida Gulf Coast Invention Convention/Edison Fairs
Presented by Cooley	P.A.T. Package Access Tool	Luke Holtz, Logan Ivory	Pennsylvania Invention Convention
Presented by Cooley	RollSTOP	Rayan Zaidi	Chicago Student Invention Convention
Presented by Clark Hill	The Fire Safety Light	Roen Lenz	ICW Independent Inventor Program

Licensing Potential Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Presented by inventRight	Terreus	Charlotte Fan, Wyatt Newbill	California Invention Convention
Presented by inventRight	Occulus: Bluelight detection to reduce eye strain	Kaylee Gong, Aanya Shah	Ohio Invention Convention by Invention League
Presented by inventRight	Dawsonite Diver: Electrolytic Extraction of Dawsonite from Ocean Water	Rylee Blair, Disha Mudenur, Dylan Striek	ICW Independent Inventor Program

Invention Process Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Best Video Presentation	Anytime Vitals Anywhere (A.V.A.)	Nishant Narayanan	Chicago Student Invention Convention
Best Logbook	Terreus	Charlotte Fan, Wyatt Newbill	California Invention Convention
Best Logbook	Human Powered Energy Harvester	Anant Arora	California Invention Convention
Best Display Board	Analyzing Lung Cancer Using AI	Mahi Patel	Tampa Bay Invention Convention
Best Prototype	EcoPhant Watering Can	Emi Tanimura	California Invention Convention
Best In-Person Presentation Award	Plapper	Lara Otico	Georgia Tech K-12 InVenture Prize

Specialty Award Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Aerospace Award: Presented by Raytheon Technologies	Stellatener	Augustus Brown	Invent Idaho
Connectivity Award: Presented by Raytheon Technologies	H2O Monitoring For All: Solar Powered High-Frequency Water Quality Monitoring Device with Direct Continuous WiFi Data Uploading	Jack Driscoll-Natale	California Invention Convention
Inclusion Award: Presented by Raytheon Technologies	Smart Mailbox	Vinoda Thiyagarajan	Ohio Invention Convention by Invention League
Technology of Tomorrow: Presented by Raytheon Technologies	Biopurification: Utilizing Chlorella vulgaris and Spirulina major to create an open system bioreactor that generates electricity while running a dual purpose air purification and CO2 sequestration system	Amaya Etcheverry	Florida Gulf Coast Invention Convention/Edison Fairs
Innovation in Mobility Award: Presented by Ford STEM	SafeSteps	Nava Detamore	Ohio Invention Convention

Global Change Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Accessibility Award	PRO-SAFETY (Preventive Risk Observation And Safety Alert Technology For Industry)	Avish Banerjee	California Invention Convention
Community/ Societal Benefit Award: Presented by The Lemelson Foundation	Trident: An Autonomous, Cost-Effective and Carbon (PPM) Efficient Cold Plasma Plastic Pyrolysis Device for Catalytic Free Petrochemical Yield of more Efficient (BTE) and (uHC) in Pyrolysis Oil	Tarun Batchu	Ohio Invention Convention by Invention League

Global Impact Winners

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Market Research	Back Pack Homework Reminder	Aiden Rivera	Ohio Invention Convention by Invention League
Enviromental and Social Impact	Synovial Saver™: A Novel, Non-Invasive Medical Device That Detects Osteoarthritis Knee Joint Health Through Vibrational Sensing Methods	Yusef Mujtaba	Florida Gulf Coast Invention Convention/Edison Fairs
Originality	Biopurification: Utilizing Chlorella vulgaris and Spirulina major to create an open system bioreactor that generates electricity while running a dual purpose air purification and CO2 sequestration system	Amaya Etcheverry	Florida Gulf Coast Invention Convention/Edison Fairs

Most Innovative Winner

AWARD	INVENTION	INVENTOR(S)	AFFILIATE
Most Innovative Award: Presented by Raytheon Technologies	Dawsonite Diver: Electrolytic Extraction of Dawsonite from Ocean Water	Rylee Blair, Disha Mudenur, Dylan Striek	ICW Independent Inventor Program