# **Annual Report**



### **Glossary**

- **1** Letter From Our CEO
- 2 2022 at a Glance
- **4** Education Programs
- 7 Induction Ceremony and Museum
- **10** Collegiate Inventors Competition
- **Partnerships and Sponsors**
- **14** Board of Directors
- **16** Financial Statements

# HONOR. INSPIRE. CHALLENGE.





#### **Letter From Our CEO**

## How can we best prepare children for an increasingly complex and unpredictable world?

Our answer at the National Inventors Hall of Fame is to promote the lessons and stories of our Inductees and present them as innovative role models throughout our education programming.

With your continued support, children can build the same innovative mindset the world's greatest inventors have used to transform our society for the better. This is made possible by our amazing partners including the United States Patent and Trademark Office, our corporate and foundation sponsors, individual donors, and the millions of teachers, administrators and families who believe in our shared mission.

In the words of former U.S. President Theodore Roosevelt, credit belongs not to the critics but to those who enter the arena and dare to achieve greatness — when faced with doubt and hardship, they persevere. In many ways, these same qualities apply to National Inventors Hall of Fame Inductees, and by honoring and sharing their legacies, together we will prepare the next generation to overcome the challenges of tomorrow.

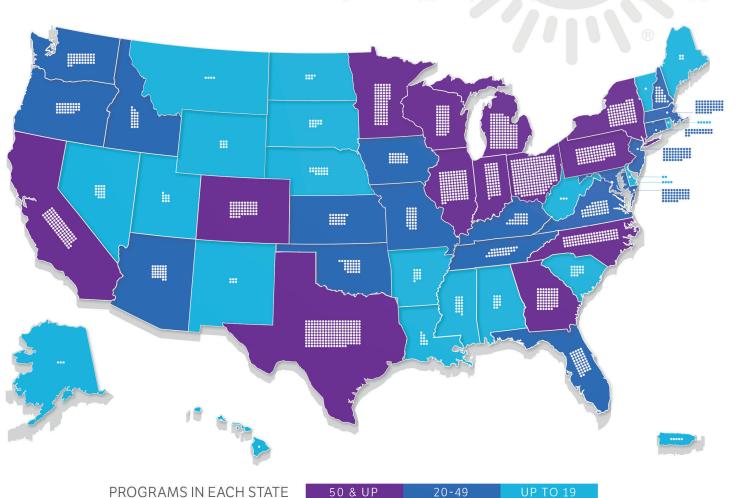
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**Michael J. Oister**Chief Executive Officer, National Inventors Hall of Fame

# NATIONAL INVENTORS HALL OF FAME

IN PARTNERSHIP WITH THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### **PROVIDED 1 MILLION DAYS OF INVENTION EDUCATION IN 2022**



**3.0**MILLION

CHILDREN, EDUCATORS, COLLEGE STUDENTS & INVENTORS IMPACTED

608 WORLD-CHANGING
INDUCTEES

33YEARS LEADERS

## **2022 BY THE NUMBERS**

286,000 CHILDREN

2,500 SCHOOL & DISTRICT PARTNERSHIPS 50 STATES
PUERTO RICO & DC

197,000+ UNDERSERVED CHILDREN **23,000** EDUCATORS & STAFF

4,700
COLLEGIATE
INVENTORS COMPETITION
PARTICIPANTS





#### **Education Programs**

#### You helped curious children become creative problem solvers.

Children nationwide had obstacles to face in 2022. Helping them recover from disruptions to their learning over the past several years, your generosity allowed the National Inventors Hall of Fame to reach more schools and districts and guide children to build the I Can Invent® Mindset — the same mindset National Inventors Hall of Fame Inductees use to overcome challenges and develop solutions.

This powerful mindset sparks a lifelong love of learning and equips children with the character and skills they need to navigate their lives, now and in the future.

- You helped provide **1 million days of invention education** to more than **286,000 children** nationwide this year though PreK-12 STEM programs including Camp Invention®, Club Invention® and Invention Project®
- You supported professional development for Program Team Members in more than 2,500 schools and districts
- 191 schools and districts that ran National Inventors Hall of Fame programs before the pandemic returned to partnering with us to offer all-new experiences

I shared my ideas by making things and building and [using] cooperation. So when we collaborate and work together as a team, it makes me feel happy.

— Tiffany, Camp Invention camper, Cleveland, OH



Your support created opportunities to deliver invention education in action with the launch of the new **Invention Project** program, providing flexible, year-round PreK-8 options for classroom partners

■ The adventurous 2022 **Camp Invention Explore** program provided all-new, hands-on challenges to campers in grades K-6 across **all 50** states, Washington, D.C., and Puerto Rico

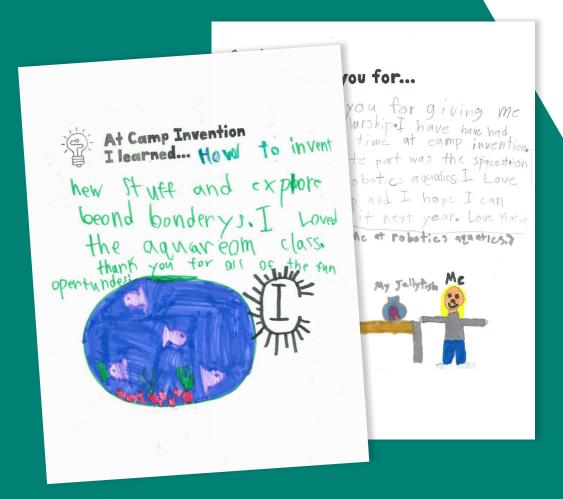
Camp Invention also brought mentorship opportunities to more than 4,700 Leaders-in-Training in grades 7-9

Meeting the needs of students nationwide, you helped provide more customized solutions than ever before and reached, in total, 51,000 more children compared to 2021

ACROSS ALL 50 STATES, D.C. AND PUERTO RICO

I would highly recommend the [Invention Project] curriculum. You really have everything that you need, from the actual materials packaged in a great kit for students, to the professional development [...] and the resources that are provided to our teachers. It's just outstanding. Something I've never seen before in any other curriculum.

— Shannon F., Coordinator of Expanded Learning



"My son has autism and was afraid to go to camp because of his fine motor disability and difficulty with making new friends. After the first day, he said he loved camp and was so happy he went. On the last day, he was so happy and excited to show us everything he learned and made. It was awesome to see his confidence, his excitement and his success!"

— C. Cook, Camp Invention parent, Grayson, GA

"I have three older kids, all with very different personalities, and they all absolutely loved Camp Invention! Thank you so much for a wonderful, creative and inventive camp! The discount we were able to receive via scholarships is the only way we were able to afford sending all three kids, and we are so very grateful for it. We hope to continue attending camp as long as my kids are able to!"

— Addie and Kyle F., Camp Invention parents, Cody, WY

#### You gave more children access to confidence-building STEM enrichment.

- You provided direct scholarships to **197,000 underserved children**, opening doors for children who would otherwise not have access
- Your generosity provided Spanish-language program materials for more than 71,000 children
- Your gifts prioritized **equitable experiences in supportive environments** for all learning styles



#### You enabled our collaboration with school districts nationwide.

- Valued district partnerships included California's Escondido Union School District and Maryland's Carroll County Public School District
- Many districts **leveraged ARP/ESSER funds** in implementing customized National Inventors Hall of Fame education programs to support academic achievement
- Educators strengthened their skills and confidence through
   59 district-funded National Inventors Hall of Fame
   professional development opportunities

#### **Induction Ceremony and Museum**

You joined us in honoring passion and persistence.

After pausing in-person celebrations for the health and safety of all through the COVID-19 pandemic, in 2022, the National Inventors Hall of Fame Induction Ceremony was held for the first time since 2019.

The Greatest Celebration of American Innovation® took place on May 5 at The Anthem in Washington, D.C.

The Hall of Fame inducted **27 visionary inventors** representing a diverse array of fields, backgrounds and accomplishments, and holding more than 1,770 patents combined at the time of their Induction

With the 2022 class, the National Inventors Hall of Fame has welcomed 608 Inductees







#### You funded stories of <u>ingenuity</u> and intellectual property.

The National Inventors Hall of Fame Museum reopened its doors in May 2022. Located within the United States Patent and Trademark Office (USPTO) headquarters in Alexandria, Virginia, the museum welcomed visitors of all ages with new and exciting exhibits designed to share the inspiring stories of influential innovators.

- The **Women in Innovation** exhibit, sponsored by Qualcomm, invited visitors to watch powerful interviews with women and girls in STEM
- Featuring a virtual skydive experience, **Innovation: The Sky is the Limit** was inspired by the work of 2022 Inductee Floyd Smith, inventor of the modern parachute
- For a limited time, the National Inventors Hall of Fame Museum was also home to the **Super Soaker® prototype** created by 2022 Inductee Lonnie Johnson, and one of the **Kiva robots** that began the wave of robotics automation in material handling, developed by 2022 Inductees Mick Mountz, Peter Wurman and Raffaello D'Andrea
- Sponsored by the Bullard company, the 100 Years of Hard Hat Protection exhibit honored the impact of this essential piece of safety equipment, invented by 2022 Inductee Edward W. Bullard





You helped us promote an <u>inventive mindset</u> through Inductee integration.

Your support for National Inventors Hall of Fame education programs allowed us to introduce children to more of the world's most innovative role models: our Inductees. These visionary inventors inspired and were directly involved in developing our 2022 curricula, designed to instill the I Can Invent Mindset.

Children at **17 Camp Invention programs** experienced in-person visits from National Inventors Hall of Fame Inductees who encouraged their curiosity, creativity and collaboration

# OVER 80 INDUCTEES

WERE FEATURED IN CAMP INVENTION'S 2022 EXPLORE PROGRAM



#### **Collegiate Inventors Competition**

You joined us in rewarding innovation and entrepreneurship.

The 32nd annual Collegiate Inventors Competition® (CIC), a unique opportunity for emerging inventors to advance their innovations, was also held in person for the first time since 2019. The event took place Oct. 11-12, 2022, at the USPTO headquarters. Finalists, whose inventions have the potential to improve lives and shape industries, presented their work to National Inventors Hall of Fame Inductees and USPTO patent examiners as they competed for cash prizes and patent acceleration.

- 2022 Finalists included 25 students representing 10 colleges and universities nationwide
- Finalists gained expert insight from 11 National Inventors Hall of Fame Inductee Judges
- **4,693 votes** were cast by the public for the 2022 Arrow Electronics People's Choice Award

Thanks to our sponsors, cash prizes were awarded to our 2022 Winners:



Graduate Winner Vishnu Jayaprakash from Massachusetts Institute of Technology invented AgZen-Cloak technology, which uses proprietary nozzles and biodegradable, food-safe, plant-derived oil to increase efficiency in pesticide use and ensure better crop protection, yield and revenue



Undergraduate Winners and Arrow Electronics People's Choice Award Winners Karly Ripple, Kathleen Fallon, Ally Reichart and Jordan Cole from Clemson University invented CatheSure, the first device to wirelessly and noninvasively detect the failure of ventriculoperitoneal shunts used in treating hydrocephalus



Graduate Runner-Up Arthur Petusseau from Dartmouth College invented Hypoxia Imager for Surgery Guidance, a system enabling real-time imaging of a lack of oxygen, which could help reduce cancer recurrence associated with diseased tissue left behind in surgery



Undergraduate Runners-Up Hannah Yamagata, Delphine Tan and Jenlu Pagnotta from Johns Hopkins University invented Dynamic Brace, an adaptable new approach to the treatment of clubfoot that improves comfort, mobility and compliance with clinician's orders



#### **Partnerships and Sponsors**

#### You made an impact in communities across the country.

Dedicated and generous partners, sponsors and donors funded one-of-a-kind experiences and made 2022 a year of meaningful innovation.

















































#### Annual Fund

JD and Anne Albert Iver and Nancy Anderson

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Winnie F. and William Coyne, in memory of

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The Fossum Family Endowment

The Amos E. Joel Young Inventors Endowment Bryan Silver, in memory of Spencer Silver Linda Silver, in memory of Spencer Silver

#### **Collegiate Inventors Competition**

**Arrow Electronics** Tom Wolf

#### Induction/Museum

AgroFresh

American Intellectual Property Law Association

Anonymous

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International Safety Equipment Association International Society for Optics and Photonics

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Karen & Frank Steininger Thompson Coburn LLP

Ungerboeck

University of British Columbia, Faculty of

**Applied Science** 

Walgreens Boots Alliance

James West Tom Wolf Margaret M. Wu

#### **Education Programs**

#### \$250,000+

Army Educational Outreach Program
Nordson Corporation Foundation
Overdeck Family Foundation
U.S. Department of Defense (DoD) STEM,
Defense STEM Education Consortium (DSEC)

#### \$100,000 - \$249,999

Google Burton D. Morgan Foundation United Way of Summit & Medina

#### \$50,000 - \$99,999

Anonymous General Motors

#### \$30,000 - \$49,999

#### ABB

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APS Foundation, Inc.
Community Foundation of Lorain County
Ford Motor Company Fund
The Huntington-Akron Foundation
The Marie Lamfrom Charitable Foundation
NAWCAD - Pax River
Walton Family Foundation

#### \$20,000 - \$29,999

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The Cleveland-Cliffs Foundation
The Ford Family Foundation
The Goodyear Tire & Rubber Company
H.B. Fuller Company Foundation
Howmet Aerospace Foundation
John Deere Foundation
The Lemelson Foundation
Micron
The Nord Family Foundation
The Roundhouse Foundation
Shurtape Technologies, LLC

#### \$15,000 - \$19,999

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American Intellectual Property Law Association

The Boeing Company - Puget Sound

**EQT** Foundation

The Fossum Family Endowment

Grainger

The Montgomery Foundation

NAVAIR - Lakehurst

Nevada Governor's Office of Science, Innovation

and Technology

Optimum

The Reinberger Foundation

#### \$10,000 - \$14,999

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Sorenson Legacy Foundation

TE Connectivity

Vanderheiden Family Foundation Wayne County Community Foundation The Weld Community Foundation Littler Youth

Fund

Western Digital

The Wyoming Community Foundation and the Woodrow & Glyda May Endowment Fund

#### \$5,000 - \$9,999

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ArcBest Corporation
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Cleveland Intellectual Property Law Association
The Clorox Company
ConocoPhillips

Dow

Duke Energy Foundation - Indiana Edwin F. Mulligan Endowed Fund

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Finnegan, Henderson, Farabow, Garrett &

Dunner, LLP

First National Bank of Fort Smith Ford Motor Company Fund - Chicago

**Genius Factory** 

The Gerber Foundation Gordon Elwood Foundation Greater Alliance Foundation

Joann Hartley Gross Memorial Fund of the

**Coshocton Foundation** 

Hamilton Community Foundation

International Paper

Kennedy Family Fund and Arnett Family Fund, component funds of the Community Foundation of the Mahoning Valley

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Frederick McDonald Trust, Bank of America,

N.A., Trustee R.J. McElroy Trust

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Children's Education Fund

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The G. Saba & Sons Memorial Trust

Sandia National Laboratories

Simpson Family Donor Advised Fund of the

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Stuller Family Foundation
Synthomer Foundation
The Troy Foundation
Walmart Community Grants
Wooster Hydrostatics
The Youngstown Foundation

#### \$2,500 - \$4,999

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The Belden Brick Company
Bridgestone Americas Akron Trust Fund
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Foundation

Community Foundation of Central Wisconsin, Inc.

The Dayton Foundation's Dayton Youth

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**Greater Oxford Community Foundation** 

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Johnson-Kazar Charitable Foundation, Inc. Funds have been provided by Kansas Health

Foundation Children's Fund, administered by the

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The Magnuson Center for Entrepreneurship at

Dartmouth College

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The Summit Foundation
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We Energies Foundation
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Yamaha Motor Manufacturing Corporation of

America

#### \$1,000 - \$2,499

48forty Solutions
Susie Armstrong
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Blessings Fund of the Coshocton Foundation

**Boardwalk Pipelines** 

# \$1,000 - \$2,499

Glenn R. and Alice V. Boggess Memorial Foundation

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IEEE - Northern Virginia Section

LG&E and KU Foundation Inc.

LyondellBasell

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MSBR Camp Invention Scholarship

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Youngstown Area Jewish Federation

Ralph D. & Judy P. Wisenburg Fund of the

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#### \$500 - \$999

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Anonymous, in memory of Jim Ross

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Bruce and Rebecca Foldi in memory of John Clark,

Melissa Flynn, Matthew Parisi, and Derek Wankum

Rebecca Foldi, in memory of Raylan Foldi

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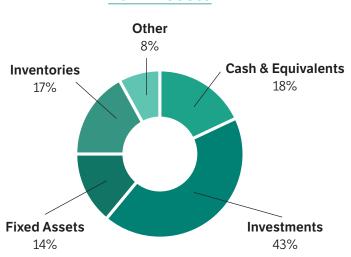
Jon Wood
Director of Waldron Center
of Entrepreneurship and
Family Business, Harding
University; Partner of
Counsel, Davé Law Group

#### Financial Statements (in thousands)

Statement of Financial Position Assets	2022	2021
Cash and Cash Equivalents Accounts Receivable Employee Retention Credit Grants Receivable Pre K-12 Education Program Supplies	\$ 9,512 \$ 445 \$ 1,078 \$ 1,812 \$ 8,738	\$ 8,951 \$ 395 \$ 2,260 \$ 4,714
Investments - Market Value  Endowment Other Other - Trust Other Assets Buildings, Exhibits, Collections, and Equipment - Net	\$ 6,976 \$ 14,245 \$ 1,141 \$ 1,006 \$ 7,563	\$ 8,199 \$ 10,384 \$ 944 \$ 916 \$ 7,343
Total Assets	\$ 52,514	\$ 44,107
Liabilities and Net Assets		
Accounts Payable and Accrued Expense Deferred Revenue Other Liabilities	\$ 5,011 \$ 2,596 \$ 1,141	\$ 2,139 \$ 1,169 \$ 962
Total Liabilities	\$ 8,748	\$ 4,270
Net Assets	\$ 43,766	\$ 39,837
Total Liabilities and Net Assets	\$ 52,514	\$ 44,107

Statement of Activities	2022	2021
Revenue		
PreK-12 Programming Government, Foundation & Corporate Sponsorships Employee Retention Credit	\$ 35,857 \$ 8,733 \$ 1,078	\$ 26,098 \$ 9,886
Paycheck Protection Program	<b>4</b> 2,07 0	\$ 2,000
Store Other Revenue	\$ 58 \$ 131	\$ 7 \$ 66
Total Revenue	\$ 45,857	\$ 38,056
Expenses		
Programs		
Education	\$ 29,717	\$ 23,128
Recognition Museum & Exhibits	\$ 1,447 \$ 887	\$ 707 \$ 687
Supporting Activities	\$ 007	\$ 007
Management & General	\$ 5,261	\$ 3,712
Fundraising	\$ 1,065	\$ 914
Total Expenses Related to Program &		
Supporting Activities	\$ 38,376	\$ 29, 148
Net from Operations	\$ 7,480	\$ 8,908
Realized & Unrealized Investment Income	\$ 3,551	\$ 2,077
Change in Net Assets	\$ 3,929	\$ 10,985
Net Assets, Beginning of Year	\$ 39,837	\$ 28,852
Net Assets, End of Year	\$ 43,766	\$ 39,837





#### **2022 Revenues**

