

National Inventors Hall of Fame®

## ANNUAL REPORT 2021



A lot can change in a year. In 2020, over 90% of the schools that implemented Camp Invention<sup>®</sup>, our flagship K-6 STEM summer camp, canceled in-person programming to protect the health and safety of their students.

In response, we adapted our National Inventors Hall of Fame® (NIHF) programming for at-home learning. By maintaining the foundation of the in-person Camp Invention program and shipping program materials directly to each participant's home, we ensured that children could still access the lifelong benefits of our invention education curricula.

In 2021, we sought to maximize our mission to help transform today's children into the innovators of tomorrow. Once again, our world-class operations team developed timely ways to meet the needs of our district partners and support their quest to address learning loss and bring the joy of learning back to students and educators.

Thanks to contributions from every member of our organization, I am proud to announce that in 2021 we served 2,480 schools and districts, and for the first time in our history, provided a combined **1 million days of invention education** to over 235,000 students.

As students throughout the United States continue recovering from academic and social-emotional learning (SEL) losses caused by the COVID-19 pandemic, we remain confident that our education programs represent effective solutions on which educators can rely.

None of the work we do would be possible without our incredible partners, including the United States Patent and Trademark Office, our corporate and foundation sponsors, individual donors, and the tens of thousands of families, teachers and administrators who continue to put their trust in our innovative STEM programming.

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





# 2021 was all about persistence

At the National Inventors Hall of Fame, our mission of recognizing inventors and invention, promoting creativity, and advancing the spirit of innovation and entrepreneurship was put to the test. So we applied all the lessons learned in 2020 to build and strengthen solutions to the many challenges we all faced.

Throughout 2021, we persisted and evolved, finding inspiration in the legacies of our Inductees, the dedication of our partners, and the perseverance of every teacher, parent and child across the country.





# A year of uncertainty demanded bold action.













STEM Maker Lab<sup>®</sup>



**Invention Project** 

As the COVID-19 pandemic continued into 2021, children nationwide experienced significant learning losses.

With the goal of helping them catch up with both academic and social-emotional learning while building confidence as creative problem solvers, we worked harder than ever before. By continuing to build strong partnerships and develop effective, equitable education programs, we made the most of 2021.



For the first time in our organization's history, we provided a combined **1 million days of invention education.** 

We reached more than **235,000 children** through immersive PreK-12 STEM programs.

We partnered with more than 1,285 schools across 1,195 districts.



Our partners supported opportunities for underserved children. Scholarships were provided to **165,000 children** in need of financial support.

## 66

Camp Invention **definitely helped my child's confidence and understanding of patience.** The teacher was great, enthusiastic and took an interest in the kids, which was great! Overall, it was a positive experience. Thank you for a wonderful opportunity. I would not have been able to do this without the scholarship.



**Robyn F.** Camp Invention Parent, Evans, CO



Our sponsors and donors continued to give generously to help **more children learn alongside their peers.** 

These young innovators would not otherwise have been able to attend and experience hands-on STEM enrichment.

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My 6-year-old daughter showed little interest in STEM activities before attending Camp Invention. This camp was important to me because at the very least, I wanted her to have additional exposure to engaging STEM activities. I want my daughter to have the **ability to pursue whatever path she dreams of.** She now has such a drive to create, invent and problem solve. I'm grateful for this camp and the grant that funded her attendance.

**Amber H.** Camp Invention Parent, Evans, CO



NIHF education programs brought **joy** back to teaching and learning. In the summer of 2021, the majority of Camp Invention program sites returned to an **in-person format**. We focused on keeping children **safe and healthy** while providing the **socialization and essential SEL** they had been missing.

**56** This past year, having no in-person experiences ... Camp Invention has been **priceless!** The support, creativity and encouragement this program provides is a 10 out of 10. My daughter felt proud of herself, always came home with stories, new friends and really cool inventions! This is her third year and we will 100% be back next year. Thank you all for your kindness and dedication to teaching these kids amazing things!

**99** 

**D. Dumas** Camp Invention Parent, Newburyport, MA



We helped educators and students **recapture the magic** of collaboration, discovery and friendship.

## As an Instructor, I see students engaged in what they are learning at a different level than during the school year. It recharges me as a teacher.

**Kara O.** Camp Invention Instructor, Tigard, OR



## We ensured accessibility for every child, in every community.

We **prioritized equity and access** for all learning styles.

In addition to offering in-person camps, we reached **6,242 children** through our at-home, parent-paid camps, including local **Camp Invention At Home** and national **Camp Invention Connect**® programs.

## 66

Camp Invention was such a great experience for both of my children! My oldest became more excited about building and problem solving, and was reminded that when something doesn't work out, it's an opportunity to learn and adapt. My youngest, who has learning and communication disabilities, was able to express her ideas through exploration and building, which really boosted her confidence with her peers! We will see you again next summer!

**F. Fulton** Camp Invention Parent, Abington, MA



We sent Innovation Exploration Kits<sup>™</sup> to **46,426 children** in grades K-9, providing opportunities for self-led, **hands-on education** anywhere.

## 66

My child has a strong interest in STEM, but a huge anxiety about new experiences. Camp Invention was a great opportunity for him to get out during summer to do something for himself, as well as make new friends. We purchased the home kits as well, and they have been a hit. It's a **unique camp** that's more than just giving my kids something to do. It helped my child gain confidence, gain experience making social connections and feel comfortable with new, unexpected experiences. Not to mention it was right where his interests are with learning and creating.

**B. Bond** Camp Invention Parent, Avon, IN



We saw significant **growth** in our district-funded programs.

To ensure districts could leverage American Rescue Plan (ARP) and Elementary and Secondary School Emergency Relief (ESSER) funds, we partnered with them to build customized solutions and support their funding plans.



We provided **1,458 districtfunded K-12 programs**, compared to 901 in 2020.

For educators, we provided 60 district-funded professional development opportunities, compared to 29 in 2020.

## 66

This is my fourth year of facilitating Camp Invention. The curriculum is engaging, and the kids have a fabulous time meeting new friends, playing, learning, inventing, problem solving and just **being together as kids!** 

Mary Jean C. Camp Invention Instructor, St. Joseph, MO





National Inventors Hall of Fame®

# We continued to honor world-changing **innovation**.

For the health and safety of our NIHF family, Induction events were not held in 2021. Instead, our team planned for our next Induction Ceremony, held on May 5, 2022. NATIONAL INVENTORS HALL OF FAME Induction Ceremony

> Join As THURSDAY MAY 5 2022

**The Anthem** 901 Wharf St. SW, Washington, D.C.

6 p.m. | General Reception

6:30 p.m. | Dinner and Awards Ceremony

9:30 p.m. | Innovation Celebration After Party Limited Seating • Black-Tie Attire • Complimentary Valet Parking





## 2022 INDUCTEES

Through our annual selection process, **27 groundbreaking innovators** were selected to join our 2022 class.

Our Induction Ceremony expanded our Hall of Fame to **608 Inductees**.





**R. Rox Anderson** 



Sylvia Blankenship



Dana Bookbinder



**Marian Croak** 



Raffaello D'Andrea



Ming-Jun Li



Lisa Lindahl



Lonnie Johnson



**James McEwen** 

## 2022 INDUCTEES CONTINUED





Hinda Miller



**Mick Mountz** 



**Edward Sisler** 



**Polly Smith** 



**Pushkar Tandon** 



Margaret Wu



Peter Wurman



James Abercrombie



**Stewart Adams** 

## 2022 INDUCTEES CONTINUED





Patricia Bath



Carl Benz



**Evelyn Berezin** 



Edward W. Bullard



Harry Cameron



James Buchanan Eads



John Nicholson



**Floyd Smith** 



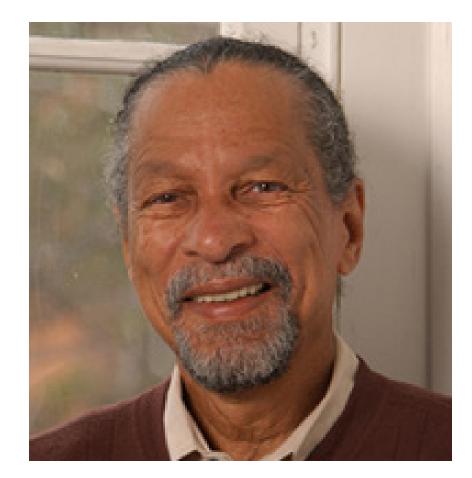
Frank Zybach

We prioritized **Inductee Integration.** 

NIHF Inductees inspired and were directly involved in the development of our 2021 education programs, reaching young innovators by infusing their unique insights into hands-on experiences.

More than 80 Inductees were featured in Camp Invention's 2021 curriculum, Recharge.

NIHF Inductee Jim West, co-inventor of the electret microphone, worked closely with our education team to develop the 2021 Camp Invention Open Mic<sup>™</sup> experience.



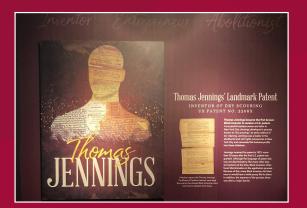


We created new exhibits to share meaningful **inspiration**. The NIHF Museum, located at the United States Patent and Trademark Office (USPTO) in Alexandria, Virginia, has been closed since early 2020 in response to the pandemic. In preparation for reopening our doors, we developed new exhibits that tell the stories of great creators, innovators and entrepreneurs.





We brought visionaries into focus with the new exhibit Breaking Barriers: Honoring **Extraordinary** Black Inventors. We celebrate NIHF Inductees and additional inspiring innovators who have shaped our country and our world.







Collegiate Inventors Competition<sup>®</sup>

# We rewarded collegiate inventors' **ingenuity**.

The 31st annual Collegiate Inventors Competition® (CIC) gave emerging innovators the chance to compete for prizes and directly interact with NIHF Inductees and USPTO officials. The event was held in a virtual format for the safety of our Finalists and Judges.

Finalists included **20 students** from **13 colleges and universities nationwide**.

They presented their inventions to eight NIHF Inductee Judges.

A total of **6,028 votes** were cast for the Arrow Electronics People's Choice Award.



#### Our sponsors joined us in awarding cash prizes to our **2021 Winners.**

Learn more about these outstanding inventions at <u>National Inventors Hall of Fame®</u>



**Graduate Winner Shrish Patel,** Inventor of SolarClear Stony Brook University



**Graduate Runner-Up Maha Alafeef,** Inventor of VirSENSE University of Illinois at Urbana-Champaign



**Undergraduate Winner Eva Cai,** Inventor of EarFlow Harvard University



**Undergraduate Runners-Up Stephen Kalinsky and Jared Meyers,** Inventors of Augment Health Bladder Management System Georgia Institute of Technology



Arrow Electronics People's Choice Award Winner Siddharth Thakur, Inventor of Firebot University of Texas at Austin

## PARTNERSHIPS

### Our partners were persistent in fueling POSSIBILITIES.

Generous sponsors and donors made it possible for NIHF to deliver inspiring and impactful experiences in 2021.





## **PARTNERS AND SPONSORS**



UNITED STATES PATENT AND TRADEMARK OFFICE

#### **Annual Fund**

Anonymous donors Iver and Nancy Anderson Stanley Apple Sylvia Blankenship Wesley Brown Marvin Caruthers Jasemine Chambers Davé Law Group Federico and Elvia Faggin Foundation The Fossum Family Joanie Freeman, in memory of NIHF Inductee Ross H. Freeman Arthur Fry Gary Sharp Innovations Ed Gray Eli Harari Marcian and Judy Hoff Household Kristina Johnson Marshall and Annie Jones Ruth and Donald Keck Jeffrev and Gail Kodosky James D. Kraus Alois and Martha Langer Jennifer and Ray Leach Fran and George Ligler John Macdougall Britt Magneson James E. Malackowski Drs. Morton M. and Tobia H. Mower Mike Oister Arogyaswami Paulraj Mrs. Beatriz and Dr. Edmund O. Schweitzer, III SEI Industries Robert and Joan Seiwald Russ and Phyllis Slifer Family Fund in the Idaho **Community Foundation** David Smorodin Frank C. Steininger Gary and Rona Sterling Sharon W. and Steven A. Van Slyke William Walker May & Walt Family Charitable Fund Chen Wang Tom Wolf Margaret Wu Dr. and Mrs. James and Barbara Wynne

#### **Collegiate Inventors Competition**

Arrow Electronics

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

Lisle M. Buckingham Fund of Akron Community Foundation Corning, Inc. David and Leslie Hill Qualcomm Thompson Coburn LLP

#### **Children's Education Fund and Endowments**

The Fossum Family Endowment The Al and Helen Free Foundation The Spencer Silver Memorial Endowment Fund Andrea and Stephanie Joel, establishing The Amos E. Joel Young Inventors Endowment 3M, in memory of NIHF Inductee Spencer Silver David Anderson, in memory of NIHF Inductee Spencer Silver Anonymous donors from Mt. Horeb, in memory of Charlie Bledsoe John and Cynthia Banovetz, in memory of NIHF Inductee Spencer Silver Colin Kurtis, in memory of Charlie Bledsoe Christopher K. Davis, in memory of Charlie Bledsoe Joaquin Delgado, in memory of NIHF Inductee Spencer Silver Peter and Barbara Fleming, in memory of NIHF Inductee Spencer Silver Art Fry, in memory of NIHF Inductee Spencer Silver Robert and Rebecca Galkiewicz, in memory of NIHF Inductee Spencer Silver Doree Hickman, in memory of NIHF Inductee Spencer Silver Rebecca Horton, in memory of NIHF Inductee Spencer Silver Jerome Johnson, in memory of NIHF Inductee Spencer Silver James Lenfestey, in memory of NIHF Inductee Spencer Silver Peter and Ros Martin, in memory of NIHF Inductee Spencer Silver Gail Merriam, in memory of NIHF Inductee Spencer Silver George and Cheryl Moore, in memory of NIHF Inductee Spencer Silver R&D Oliveira Foundation, in memory of NIHF Inductee Spencer Silver Rebecca and Norman Richardson, in memory of NIHF Inductee Spencer Silver

George Sawyer, in memory of NIHF Inductee Spencer Silver Bryan Silver, in memory of NIHF Inductee Spencer Silver Dave and Barb Yarusso Giving Fund, in memory of NIHF Inductee Spencer Silver

#### **NIHF Education Programs**

#### \$250,000+

Army Educational Outreach Program Nordson Corporation Foundation Overdeck Family Foundation

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

Department of Defense STEM Burton D. Morgan Foundation United Way of Summit & Medina

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

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

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

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

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

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

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

The Belden Brick Company Charitable Trust Fund Blueprint4SummerSTL Bridgestone Americas Trust Fund The Henry V. and Frances W. Christenson Foundation A grant from the Community Foundation of Central Wisconsin Ecolab The Harry K. and Emma R. Fox Charitable Foundation A grant from the Richard E. Gasser Fund of the Lehigh Valley **Community Foundation** Genius Factory Google Fiber Greater Alliance Foundation Greater Oxford Community Foundation Kansas Health Foundation Children's Fund, administered by the McPherson County Community Foundation Kohler Foundation. Inc. The Lubrizol Foundation Katharine Matthies Foundation, Bank of America, N.A., Trustee McWane Ductile Nexteer Steering the Future Fund Ottumwa Regional Legacy Foundation Shela and Kumar Patel Saginaw Community Foundation Salem Five Charitable Foundation Salisbury-Rowan Community Foundation Second Chance Emporium The Shelby Foundation Synthomer Foundation Toyota Motor Manufacturing, WV We Energies Foundation Yamaha Motor Manufacturing Corporation of America

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

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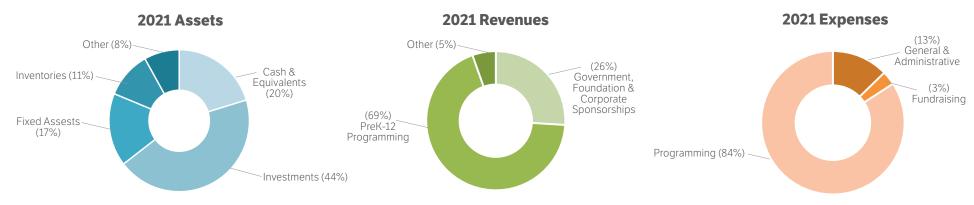
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#### \$500 - \$999

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## FINANCIAL STATEMENT (IN THOUSANDS)



Statement of Financial Position	2021	2020
Assets		
Cash & Cash Equivalents	\$8,951	\$1,581
Accounts Receivable	395	230
Grants Receivable	2,260	918
PreK-12 Education Program Supplies	4,714	3,981
Investments - Market Value		
Endowment	8,199	7,360
Other	10,384	9,154
Other - Trust	944	1,065
Other Assets	916	967
Buildings, Exhibits, Collections,		
Software & Equipment - Net	7,343	7,850
Total Assets	\$44,107	\$33,106
Liabilities and Net Assets		
Accounts Payable & Accrued Expenses	\$2,139	\$1,195
Deferred Revenue	1,169	1,942
Other Liabilities	962	1,117
Total Liabilities	\$4,270	\$4,254
NetAssets	\$39,837	\$28,852
Total Liabilities and Net Assets	\$44,107	\$33,106

Statement of Activities	2021	2020
Revenue		
PreK-12 Programming	\$26,098	\$8,258
Government, Foundation,	9,886	7,478
& Corporate Sponsorships		
Paycheck Protection Program	2,000	1,912
Store	7	19
Other Revenue	66	184
Total Revenue	\$38,056	\$17,851
Expenses		
Programs:		
Education	\$23,128	\$15,269
Recognition	707	703
Museum and Exhibits	687	659
Supporting Activities:		
Management & General	3,712	3,456
Fundraising	914	633
Total Expenses Related to Program		
& Supporting Activities	\$29,148	\$20,721
Net from Operations	\$8,908	(\$2,870)
Realized & Unrealized Investment Income	2,077	1,943
Change in Net Assets	10,985	(927)
Transfer of Net Assets	-	5
Net Assets, Beginning of Year	\$28,852	\$29,774
Net Assets, End of Year	\$39,837	\$28,852

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Along with the vital contributions of our supporters, we relied on the guidance and insight of our Board of Directors.



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We carried our mission through the year with gratitude.

Thank you to all who trust our organization and advance our work. It is because of you that creativity, innovation and entrepreneurship continue to thrive in the hands of coming generations.

#### To find more opportunities to get involved, visit invent.org.

