

## Message from the Chair



Clark Slipher

Dear Friends of the Foundation:

It is my privilege to continue to serve the Foundation. It's hard to believe our yearlong 25<sup>th</sup> Anniversary celebration is winding down. I hope you

were able to join us in commemorating the enthusiasm and generosity that have made twenty-five years of achievements possible. There have been many highlights and accomplishments to commemorate that promise a bright future full of impacts.

The highlight for me was attending our 25<sup>th</sup> Anniversary Luncheon celebration at the Society of Actuaries' Annual Meeting. Dr. Williams' gave an inspiring presentation and really connected with her audience. I could not have been prouder of the Foundation and I feel that we made real breakthroughs in awareness of the vital work of our programs and resources. I was also moved by the video we showed at the luncheon introducing our Educate. Connect. Change. campaign, which presents each of us with an amazing opportunity to fuel the future of the Foundation and give back to a profession that has been so rewarding to us. I encourage you to learn more by visiting [www.actuarialfoundation.org/educate-connect-change/](http://www.actuarialfoundation.org/educate-connect-change/) and please consider how you can support this significant campaign.

Amidst all of the celebrating, our Foundation continued churning out new resources and making strides to bring math education to more students. Our collaboration with Scholastic produced two new math modules for middle school students. The Modeling the Future Challenge high school competition has over one hundred entries to submit qualifying projects on this year's theme of Agriculture, Water and Climate Change. The Math Motivators tutoring program is operating in fourteen cities and poised to be in over twenty cities by 2021. We awarded a record number of scholarships for 2019 and reached a milestone with our Actuarial Diversity Scholarship. You can read more about this milestone on page 3.

The continued upward trajectory of the Foundation is all due to the volunteer spirit and generosity of the actuarial community. I truly believe that the Foundation is on a path of acceleration these next five years that has the potential to eclipse what we've done in our last twenty-five years. I hope you will join in and support this exciting and pivotal time in the Foundation's history.

I am profoundly grateful to our donors, corporate sponsors, supporting organizations, Trustees, committee members, volunteers, and our tireless staff for their dedication. To everyone who has played a role in The Actuarial Foundation's twenty-five years of success, I say thank you and send my very best wishes to you and yours for a happy holiday season and a healthy 2020.

Sincerely,

Clark Slipher, FSA, MAAA

## Calendar of Events

**March 29 – April 1, 2020**  
**Enrolled Actuaries Meeting**  
Washington, D.C.

**April 20-22, 2020**  
**SOA Life Insurance Conference**  
Salt Lake City, UT

**May 10-13, 2020**  
**CAS Spring Meeting**  
Chicago, IL

**May 19-20, 2020**  
**The Actuarial Foundation**  
**Board of Trustees Meeting**  
Rosemont, IL

## SUPPORTING U.S. ACTUARIAL ORGANIZATIONS



# Changing Lives with Math Education

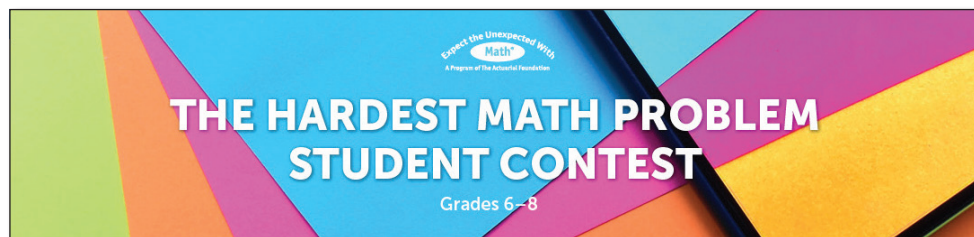
## EDUCATION

### The latest collaboration with Scholastic is launched!

First launched in 2017, the Math Workshop modules were created to assist students needing help with particular math concepts. These online learning modules encourage students in grades 6-8 to learn at their own pace using video and interactive practice. The latest modules were recently launched to Scholastic's database of over 400,000 middle school math teachers and students. *Ordering and Comparing Integers* gives sixth graders an exciting look at integers through the lens of characters Sophie and Evan as they navigate their way through the Plusville Math Museum. For seventh graders, *Adding and Subtracting Negative Integers* promises memorable digital learning of integers through the intrepid political campaign of Andre at Ada Lovelace Middle School. Learn more about all of our *Expect the Unexpected with Math*® resources at [www.scholastic.com/teachers/sponsored-content/unexpected-math/17-18/unexpectedmath/](http://www.scholastic.com/teachers/sponsored-content/unexpected-math/17-18/unexpectedmath/)

### The Hardest Math Problem Student Contest is live!

In its first year, The Hardest Math Problem Student Contest was an enormous success, garnering over 6,000 entries from students in grades 6-8 across the country! The Contest features grade-specific story problems that present challenging math concepts in real-world scenarios. The 2019-2020 Challenge 1 is now open and in it, students will be asked to use data to identify where operations can be improved at the world's latest celebrity chef's restaurant. Students who correctly answer Challenge 1 at or above their current grade level will receive an invitation to participate in Challenge 2. [www.scholastic.com/hardestmathcontest/](http://www.scholastic.com/hardestmathcontest/)



### Modeling the Future Challenge

The Modeling the Future Challenge (MTF) is a national competition giving high school students the opportunity to develop and present their own mathematical models describing how a new technology or industry might change the future. The 2019-2020 Challenge topic is Agriculture, Water, and Climate Change. Students who pass Phases 1 and 2 of the Contest will present their papers at next April's Symposium in Chicago.



As of this printing, we have 127 teams registered and working on a scenario to qualify and submit a paper. With the help of our partner, the Institute of Competition Sciences, and the MTF Challenge Development Committee, we developed the theme, found data sources and experts, created tutorials on how to use the data and created scenarios for the preliminary phase of the Challenge that use those data sources. Stay up to date on the latest with the MTF Challenge at: [www.mtfchallenge.org](http://www.mtfchallenge.org)

### Thank You, Volunteers

All of the education programs at the Foundation run smoothly thanks to the time and effort of our volunteers. We are grateful to Foundation Trustee Brian Donlan, FCAS for his leadership as Chair of the *Expect the Unexpected with Math*® Committee. We are happy to welcome Gabby Brochard, FSA, who recently joined this Committee as Vice Chair. Gabby served as reviewer from 2014-2017 and was a Hardest Math Problem contest judge. We'd also like to extend a warm welcome to Melissa Hollis, FSA, who recently took on the role of Vice Chair of the Modeling the Future Challenge Development Committee. Melissa has served on this Committee since 2016 and will become Chair in early 2020 when Roy Goldman, FSA, moves on to prepare for his new role as President of the Society of Actuaries.



Gabby Brochard



Melissa Hollis

### Revamped Building Your Future Launches to 60,000 High School Teachers

*Building Your Future* (BYF), the financial literacy curriculum resource that helps high school students grasp the essentials of personal finance, has been undergoing a redesign. The Foundation partnered with Young Minds Inspired, a leading provider of educational outreach programs, to help broaden the *Building Your Future* program among teens and young adults while appealing to a modern, more tech-savvy audience. Check out the redesigned BYF books by visiting: [www.actuarialfoundation.org/building-your-future/](http://www.actuarialfoundation.org/building-your-future/)

## SCHOLARSHIP AND REIMBURSEMENT PROGRAMS

### A Remarkable Year for Scholarships and Reimbursement Programs

The Foundation awarded 94 college students with \$250,000 in scholarships for 2019.

Here is the distribution of students receiving each scholarship:

- 78 Actuarial Diversity Scholarships
- 3 *Actuary of Tomorrow*–Stuart A. Robertson Memorial Scholarships
- 3 Caribbean Actuarial Scholarships
- 10 Curtis E. Huntington Memorial Scholarships

Meet the 2019 Foundation scholarship recipients at: [www.actuarialfoundation.org/scholarships/](http://www.actuarialfoundation.org/scholarships/)

Eight individuals making a career change to the actuarial profession were awarded with the *Actuary – A Career Change*: Elizabeth M. Mauro Reimbursement Program.

Congratulations to:

- |                   |                       |               |
|-------------------|-----------------------|---------------|
| • Hayoung Choi    | • Alexander Fitzburgh | • Paul Larson |
| • Vielka Delgado  | • Christopher Hollman | • Anil Sharma |
| • Meredith Dooley | • Muriel Holmquist    |               |

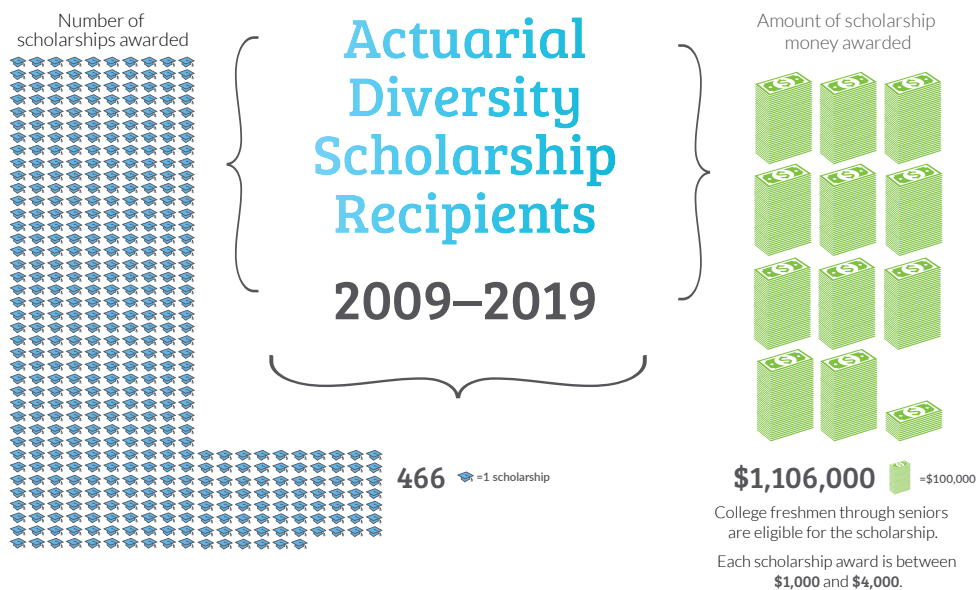
*"As a former math educator and tutor, I was always committed to supporting my students in their endeavors to better understand mathematics. Because of this award, I can continue exploring more mathematical concepts that will promote The Actuarial Foundation's vision of an educated public in pursuit of a secure financial future, while never forgetting to assist others who are chasing their own goals."* - Vielka Delgado



Vielka Delgado

### A Milestone for the Actuarial Diversity Scholarship

The Actuarial Diversity Scholarship has surpassed the \$1 million mark in scholarship awards since its inception in 2009. The scholarship has awarded 466 students on their paths to becoming actuaries while also ensuring diversity within the profession.



### Trustee Roy Goldman Elected SOA President

Congratulations to Roy Goldman, Ph.D., FSA, MAAA, CERA, who will serve as the 72nd SOA president. He began serving as 2019-2020 president-elect and will assume his duties as the 72nd SOA president at the 2020 SOA Annual Meeting and Exhibit, for the 2020-2021 term.

Roy began his term as a Foundation Trustee in 2016 and has been a fixture on many committees. He is the founding sponsor of the Modeling the Future Challenge. Roy's unwavering support and guidance of the Challenge has made it the successful, national program it is today. In addition to the multiple Modeling committees Roy serves on, he also lends his expertise to the Audit, Finance, Program and Education Committees. Anyone who has been lucky enough to work with Roy can attest to his steadfast commitment and dedication. We are incredibly grateful to Roy for all he has done for the Foundation. The Society of Actuaries has a bright future with Roy in their corner!

### First Actuarial Promise Scholarship Awarded

Melanie Jackson, Hartford resident and 2019 graduate of Capital Preparatory Magnet School, a Hartford Public High School, has been awarded the first ever Actuarial Foundation Hartford Promise Diversity Scholarship. Jackson just began her freshman year at the University of Connecticut and is studying to become an actuary. She first became interested in actuarial science when she participated in Lincoln Financials' Actuarial High School Case Competition in 10th grade. Through that program, she learned what actuaries do, and realized she liked that line of work. "I always had a preference for math, and I have always cared about social issues, so when I saw that a job in math can be competitive and fun and be used to find real solutions to problems that people have, I knew I wanted to be an actuary."



Melanie Jackson

In 2018, The Actuarial Foundation and Hartford Promise formed a partnership where the Foundation will underwrite any Hartford Promise Scholarship. The scholarship award recognizes and encourages the academic achievements of full-time undergraduate students pursuing a degree leading to a career in the actuarial profession.



## FUNDRAISING

### Highlights from the 2019 Annual Meetings

The Foundation had a presence at the recent SOA, CCA and CAS 2019 Annual Meetings. At each of the meetings, the Foundation officially announced the public phase of the *Educate. Connect. Change.* fundraising campaign. This \$5 million campaign capitalizes on the Foundation's recent successes and engages more actuaries.

Our Chair, Clark Slipher, FSA, addressed the SOA General Session and introduced a thank-you video to SOA Members for their support of the Math Motivators matching campaign. We also hosted our 25th Anniversary celebratory luncheon, where more than 250 attendees were inspired by Dr. Talithia Williams, who presented insights about cultivating a STEM mindset. By sharing examples of how she encourages her own children to look at everyday occurrences through a STEM lens, Dr. Williams demonstrated the true power of math.

Trustee Pat Rotello, FCA, FSA, EA, IAA, introduced the *Educate. Connect. Change.* campaign video at the CCA Annual Meeting in San Antonio. Emeritus Trustee Carol Sears, FSPA, FCA, MAAA, CPC, EA, was honored with the 2019 Wynn Kent Public Communication Award, which recognizes an actuary who has contributed to the public awareness of financial risk and the work product of the actuarial profession. Dale Yamamoto, FCA, MAAA, also an Emeritus Trustee of the Foundation, was honored with the Lifetime Achievement Award.

The Foundation's executive director, Jason Leppin, addressed the CAS membership at their General Session and introduced the *Educate. Connect. Change.* video. The Foundation also exhibited at the CAS Annual Meeting in Hawaii. Special thanks to all of our Trustees who represented us at the various meetings and congratulations to all of the winners!



Carol Sears accepts the Wynn Kent Public Communication Award from CCA President Edward M. Pudlowski.



Foundation Trustee Pat Rotello addresses the crowd at the CCA Annual Meeting.



Luncheon attendees are captivated by Dr. Talithia Williams.



Dr. Talithia Williams addresses the crowd at the Foundation's 25th Anniversary Luncheon.



Trustees celebrate with Dr. Talithia Williams at the 25th Anniversary Luncheon.



## Thank you to our 25th Anniversary Luncheon Sponsors



## Educate. Connect. Change.

The Foundation's first-ever fundraising campaign has officially entered the public phase. The support during the silent phase was tremendously encouraging and helpful.

We've reached the midway point of our \$5 million goal! Moving forward, we will begin reaching out to key benefactors to ask them to consider making a donation that they can pay over the five-year pledge period. The funds raised will be applied toward solving the persistent problems surrounding math education and financial literacy and help give more students the opportunity to become fully integrated and contributing members of society.

We are grateful for the support and the time our volunteers have invested in the project. Visit [www.actuarialfoundation.org/educate-connect-change](http://www.actuarialfoundation.org/educate-connect-change) and stay tuned to the Foundation's social media channels to learn more.

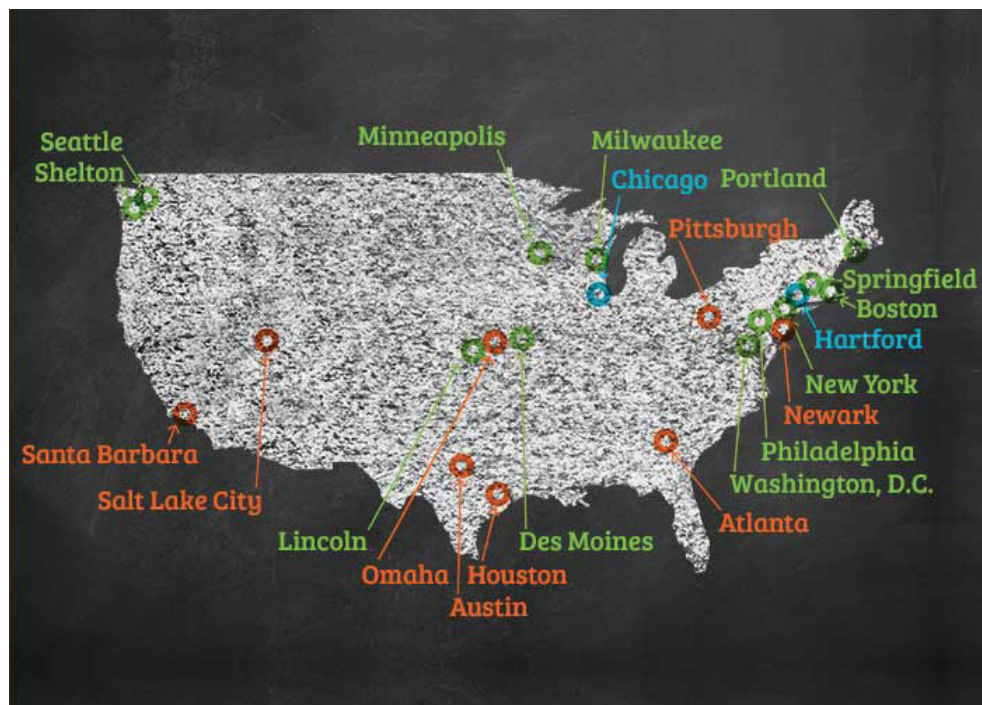


## The 2019 Math Motivators Matching Campaign Exceeds Goal

Thanks to the generous support of the Society of Actuaries (SOA) and its members, The Actuarial Foundation is pleased to announce more than \$125,000 was raised for its Math Motivators tutoring program in 2019. Generous contributions from SOA members during this year's Matching Gift Campaign resulted in \$62,994.34. With the SOA match, the total donation is \$125,988.68. This significant contribution comes on the heels of the 2018 Matching Gift Campaign, which raised nearly \$129,000 for Math Motivators. In total, nearly \$255,000 was raised during the past two years thanks to the philanthropy of the SOA and its members.

The Foundation is extremely grateful and excited to use these funds to bring its award-winning tutoring program to more deserving schools and communities across the country. See our expansion outlined on our most recent map below.

Join us! If you can help us in our expansion efforts or are interested in volunteering with Math Motivators, please contact Karen Lindebrekke, [karen.lindebrekke@actfnd.org](mailto:karen.lindebrekke@actfnd.org) or call the Foundation office: 847-706-3535.



Cities in BLUE are original pilot cities for the program. Cities in GREEN show where we currently have programs and cities in ORANGE are expansion cities through 2020.

## Spread Double the Good Will This Holiday Season

The Foundation is grateful to the Actuaries' Club of Hartford and Springfield (ACHS), the Actuarial Society of Greater New York (ASNY) and the Conference of Consulting Actuaries (CCA) for their generosity in establishing matching gift campaigns for their members. If you are a member of one of these groups, you have the chance to **double** your contribution benefitting students, teachers and the general public with Foundation resources and programs. See the website information below for each organization. Thank you for your support!

Actuaries' Club of Hartford and Springfield (ACHS):

[www.actuarialfoundation.org/achs-matching-gift-campaign/](http://www.actuarialfoundation.org/achs-matching-gift-campaign/)

Conference of Consulting Actuaries (CCA):

[www.actuarialfoundation.org/donate/](http://www.actuarialfoundation.org/donate/)

Actuarial Society of Greater New York (ASNY):

[www.actuarialfoundation.org/asny-matching-gift-campaign/](http://www.actuarialfoundation.org/asny-matching-gift-campaign/)

## CAS Members - Steve Lowe Reissues his December Challenge!

For the past two years, CAS member Steve Lowe has generously supported the Foundation by issuing a challenge to fellow CAS members resulting in hundreds of new donors. For the 2019 CAS Challenge, the goal is 100 CAS donors making a \$100 donation in December to the *Educate. Connect. Change.* campaign. If this Challenge is met by the end of 2019, Steve will once again contribute an additional \$5,000 to the Foundation.

Please join Steve in this worthwhile effort and support the future of the Foundation and the actuarial profession. Visit the special CAS Matching Donation page on the Foundation's website to make your donation today. Thank you for your generosity! [www.actuarialfoundation.org/donate-2019-steve-low-cas-challenge/](http://www.actuarialfoundation.org/donate-2019-steve-low-cas-challenge/)



# Changing Lives with Math Education

Corporate partnerships help the Foundation develop math education and financial literacy resources and fund scholarships to change lives and promote lifelong math education. Thanks to all of the organizations below whose support makes our work possible.

Corporate Supporters 2018-2019

## Visionary - \$500,000+

Milliman

## Innovator - \$250,000+

New York Life Foundation

## Discoverer - \$100,000+

Pacific Life Foundation

## Pioneer - \$50,000+

Lincoln Financial Group

Society of Actuaries

## Pathfinder - \$25,000+

Ernst & Young LLP

MassMutual Foundation

Odyssey Group Foundation

Voya Financial

## Pacesetter - \$10,000+

Allstate Insurance Company

Assurant

CIGNA

Conference of Consulting Actuaries

The Jacobson Group

MetLife Foundation

Mutual of Omaha Insurance Company

Nationwide Financial

Northwestern Mutual

Optum

PricewaterhouseCoopers LLP

RGA Reinsurance Company

The Terry Group

UnitedHealth Group

UNUM Group

## Builder - \$5,000+

Ameritas Charitable Foundation

Anthem

The Bannow-Larson Foundation

Deloitte Consulting

NCCI Holdings, Inc. (National Council on Compensation Insurance)

Ohio National Foundation

Oliver Wyman Actuarial Consulting, Inc.

Penn Mutual Life Insurance Company

Swiss Re

Travelers

Trustmark Foundation

Zenith Insurance Company

## Ambassador - \$2,500+

Actuarial Society of Greater New York

Buck

CDBykerk Consulting, LLC

GE Capital

Gen Re

Global Atlantic Financial Group

Hannover Life Reassurance

Company of America

John Hancock Financial Services

R.A.D. Search LLC

Securian Foundation

Thrivent Financial for Lutherans

Verisk Analytics

Wakely Consulting Group, Inc.

Willis Towers Watson

Zurich North America

## Advocate - \$1,000+

American Agricultural Insurance Co

Ezra Penland Actuarial Recruitment, Inc.

Highmark Actuarial Department

Legacy Foundation of Hartford

OneBeacon Insurance

Risk & Regulatory Consulting Inc.

## Planner - \$500+

Actuarial Advisors, Inc.

Actuaries' Club of Hartford-Springfield

Miller & Newberg, Inc.

Select Actuarial Services

## The Actuarial Foundation

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