



*Transforming, building  
always advancing,  
together!*



Foundation



Leading the way to a better future for the concrete industry and our communities

**Mission:** The ACI Foundation promotes progress, innovation, and collaboration in the concrete industry through strategic investments in research, scholarships, and ideas.

**Vision:** Advancing the world through innovative concrete solutions.

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We promote industry-wide growth with the support of volunteers and donors by funding new technology, critical research and education. Through the work of our councils, the ACI Foundation provides thought leadership and strategic direction that aligns the concrete industry to better serve our communities.

# You Make a Difference

ACI Foundation's Cumulative Impact on the Concrete Industry:



**\$1.2**

million in scholarships  
awarded for concrete and  
engineering education

**\$12**

million leveraged for  
cutting-edge research

**Nearly \$3**

million facilitated in new  
concrete technology  
implementation





# Beyond the Funding

Dr. Tyler Ley

*Recipients  
of the  
Foundation's  
scholarship  
awards  
already  
bring very  
positive  
change to  
the industry.*

In 2005, Dr. Tyler Ley received the ACI Foundation Fellowship. By 2017, he was honored with the rank of ACI Fellow for his contributions to ACI and the industry, showing how he can empower the future by supporting students.

During the intervening years between his fellowship to fellow, Dr. Ley has:

- Developed new tools to evaluate durability and quality of concrete mixtures, which have been adopted by state highway associations
- Delivered over 250 technical talks at conferences and meetings
- Developed a new method to make the first combined 3-D structural and chemical composition measurements at the nanoscale and apply it to cement, fly ash, and hydrated cement paste

Dr. Ley continues to serve the ACI community on technical and student activity committees. He also transfers his excitement and knowledge about concrete and construction to PhD and MS students in engineering and the industry.

*"It has been gratifying and exciting to watch these students graduate, enter our industry and make a tangible impact on our future."*

Tyler Ley, PhD  
Gilbert, Cooper and W&W Chair of Civil  
and Environmental Engineering  
Oklahoma State University





*“Completing my bachelors and master’s degree was partly facilitated by the generous financial support from the ACI Foundation fellowship. Interacting with other engineering professionals and students at the ACI conventions improved my perspective on many engineering principles and topics. It pushed me to expand my thinking, especially on civil and structural engineering themes.”*

**Frank-Nelson  
Musemate, Student  
Bridge Engineering  
Specialist, STV INC  
Drexel University**



# *Empowering* the Future Leaders of **Concrete**

In 2018 awarded  
**\$155,000**  
in fellowship and scholarships



*“I want to work with others who are going in the same direction I am—people who are trying to move the concrete industry forward. Getting involved with ACI was the highlight of my bachelor’s degree; I know my continued involvement will be tremendously impactful with my coursework and beyond.”*

**Bjorn Vors, student  
University of Saskatchewan**

# Support the advancement of concrete..

...as a material for construction and to solve industry challenges. With your help, the research we fund, not only supports broad segments of concrete application but also engages researchers within our community. Our educational awards encourage students to join the industry. Our strategic approach ties industry needs to concrete solutions.

The ACI Foundation works to:

- Increase the number of future leaders by granting scholarships and fellowships
- Invest in concrete-related research and initiatives that will have the greatest impact
- Broaden our community by presenting opportunities for members to engage and connect
- Offer memorial and honorary funds to celebrate those who have made significant change and progress for the concrete industry



In 2018:  
**\$375,000**  
for concrete industry research

In 2018:  
**\$150,000**  
in implementation of innovative technologies

*"My involvement with the Foundation technology forums has shown me that the ongoing research and full-scale product development being done right now, is creating solutions to problems, which only a few years ago seemed to have no clear answer at all."*

**Eric Peterson,  
Construction Manager  
Webcor Concrete**



# *Transforming the World* **This is your ACI Foundation**

In 2018, the ACI Foundation committed to an important industry-wide initiative to create a guide on performance-based design (PBD) in concrete for wind. PBD can improve the efficiency of design and construction and potentially provide better structural performance. The work will also enhance specific ACI codes and standards.

Pervious concrete pavements have positive sustainability impact; use of it is increasing nationwide and it is critical that a structural design procedure be developed. ACI Foundation provided funding for work on important design parameters, helping to move pervious concrete towards a more economical, yet durable material.

*"Working together, ACI Foundation and ACI enable the concrete community to advance the quality of life of people around the world. Buildings, bridges, roads, and the rest of the built infrastructure to make commerce, jobs, education, health, and safety possible."*

**Professor David Lange,  
ACI President  
Director of the Center of  
Excellence for Airport Technology,  
University of Illinois at  
Urbana-Champaign**



Photo courtesy of O. Alshareedah

# Join your ACI Foundation Today

## By making a financial gift or contributing your talents you will:

- Help propel research on advanced technology and lead innovation for sustainable resources
- Inspire ideas, leadership, and creativity by attracting the best people to the industry
- Create legacy and community by memorializing the accomplishments of concrete pioneers

Help us make more efficient, sustainable, and resilient concrete. Help us build a better, brighter future for the next generation all around the world. Help us make a difference.

*"We are all committed to ensuring that our communities remain safe, sustainable, and innovative to withstand the test of time and carry our concrete technical legacy into the future just as our predecessors have. The Foundation provides a dynamic method for making this vision a reality."*

Jeffrey Coleman, CEO, The Coleman Law Firm, LLC  
ACI Vice President

**Support** the industry  
that supports **you**

### Contact Us:

For more information about serving your industry and joining the ACI Foundation, please visit [www.acifoundation.org](http://www.acifoundation.org) or connect with our staff liaisons.

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