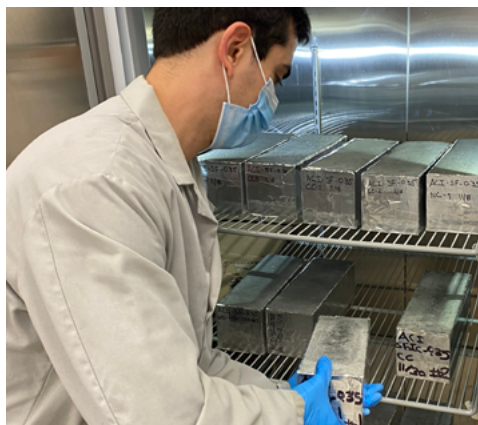




# 20 Annual Report





# ACI FOUNDATION— WORKING TOGETHER TO MAKE A DIFFERENCE

The ACI Foundation's impact on the industry is delivered by administering programs through its three councils; we are supported through generous donations from the concrete community and ACI.

## 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.



### CONCRETE RESEARCH COUNCIL

The Concrete Research Council (CRC) seeks concrete research projects that further the knowledge and sustainability of concrete materials, construction, and structures in coordination with ACI Committees. *We connected eight ACI committees and researchers to further our knowledge of concrete.*



### SCHOLARSHIP COUNCIL

The Scholarship Council (SC) serves the industry by establishing and distributing fellowships and scholarships to high-potential students in concrete-related graduate and undergraduate degree programs. *We helped 20 students engage deeper into the concrete industry.*



### STRATEGIC DEVELOPMENT COUNCIL

The Strategic Development Council (SDC) provides a forum for the concrete industry where professionals from member organizations convene at the senior level to discuss strategic issues, research needs, and new technology and innovations. *We facilitated a multitude of conversations and actions to advance the industry.*

# MESSAGE FROM THE EXECUTIVE DIRECTOR AND CHAIR OF THE ACI FOUNDATION

Dear Friends,

The year 2020 was not “business as usual” for any of us. The challenges and uncertainty of 2020 brought opportunity to adapt and despite the situation, the ACI Foundation stayed in front of our community. Strong commitment from donors, volunteers, and the concrete community kept our programs thriving and successful. Our programs have grown—we have more research, more student awards, better mentorship for students, and more engagement from volunteers who want to shape improvement in the industry.

In 2020, the ACI Foundation helped fund eight essential research projects; provided tuition stipends to 20 of the finest students; and helped pay for books, classes, and access to the ACI community via ACI Concrete Conventions. In addition, SDC hosted a workshop on concrete construction productivity, partnering with industry organizations to bring stakeholders together to explore how best to approach improving productivity.

Other highlights include:

- Seven long-term research projects were completed.
- Established three new fellowships through generous donors who believe in investing in young minds to secure the future of our industry.
- Held the first-ever virtual Technology Forum.
- Secured 100% of ACI Board of Directors and ACIF Trustees contributions to the Foundation.
- Raised over \$72,000 from our third annual appeal, almost doubling the amount from the prior year.
- Saw a stellar response to ACI President Jeff Coleman’s \$1 Million Dollar fundraising challenge. The Foundation raised almost \$1.3 million in funds and pledges during Coleman’s term as President.
- Completed a new 5-year strategic plan.

Continued growth is on the horizon thanks to the Foundation’s dedicated supporters. We look forward to implementing our strategic plan in 2021. We are grateful for all that you do for us, for the concrete community, and the greater world around us.

Warm regards,



*Ann Masek*

Ann Masek, ACI Foundation  
Executive Director  
+1.248.848.3144  
ann.masek@acifoundation.org



*Mike Schneider*

Michael J. Schneider, Baker Concrete Co.  
Senior Vice President  
+1.513.539.4000  
schneider@bakersharedservices.com





# ACI FOUNDATION TRUSTEES

SPRING 2020-SPRING 2021



Michael Schneider  
(Chair)  
Baker Concrete  
Construction, Inc.



Ann Masek  
(Secretary)  
ACI Foundation



Donna Halstead  
(Treasurer)  
American Concrete Institute



Joseph Bracci  
Texas A&M University



Ronald G. Burg  
American Concrete Institute



Cary Kopczynski  
Cary Kopczynski & Co., Inc.



Antonio Nanni  
University of Miami



Charles Nmai  
Masters Builders Solutions US LLC



Robert Frosch  
Purdue University



Michael Paul  
Larsen and Landis



William Rushing  
Waldemar S. Nelson & Co., Inc.



# MAKING AN IMPACT

## DONORS JOIN TO ENSURE OUR FUTURE

The ACI Foundation thanks all its donors of 2020. Working together as partners, along with ACI, you have made a difference in our community and our future. Inspiring major donors of 2020:

Robert F. Mast, former ACI President, passed away in July 2020 and was recently honored with a generous donation of \$300,000 to the ACI Foundation to begin a memorial fellowship. Mast's iconic legacy will continue for many years to come through student grantees.



Dr. Surendra Shah has made a profound impact on numerous careers in the concrete industry by being a mentor, professor, and friend. His guidance continues with a donation of \$54,000 to create the first fellowship solely for PhD students studying in the industry.

Advancing Organizational Excellence (AOE), ACI's subsidiary, pledged \$75,000 to create a fellowship for students in the Concrete Industry Management program. The fellowship provides students interested in sales, marketing, or administrative roles an opportunity to explore the concrete industry as a career.



Baker Concrete Construction, Inc., a long-term supporter of students, donates \$45,000 annually to support student fellowships. Dan Baker was one of the founders of the ACI Foundation's fellowship program in 2008—his pledge was to attract the best and brightest for the industry.

William (Bill) Maloney loved Rainier beer, smoked salmon, and chocolate chip cookies. He also loved ACI and the concrete industry. Maloney passed away in 2019, leaving a generous gift of \$25,000 to the ACI Foundation in 2020.



# SUPPORTING ACI'S CORE PURSUITS

## CMEC VETERANS REBATE FOR ACI CONCRETE CERTIFICATION COURSES

The ACI Foundation will continue to administer rebates to U.S. military veterans who obtain ACI Certification. Each rebate is \$250 and may be claimed only for initial (first-time) ACI certification. Veterans who obtain ACI certification in multiple programs may apply separately for each initial ACI certification.

For full eligibility requirements and application instructions, visit:  
[www.concrete.org/certification/veteranrebate](http://www.concrete.org/certification/veteranrebate).

## PROFESSORS' WORKSHOP

Co-sponsored by the PCA Education Foundation and the ACI Foundation, the annual Professors' Workshop was held virtually in July. The program provided instructors in civil engineering, architecture, architectural engineering, materials science, and construction management programs the latest resources to assist in teaching undergraduate courses in structural concrete design, concrete materials, and pavements. The program included several interactive workshop sessions to explore ideas for improving the online delivery of their concrete courses.

# EDUCATION

SERVING THE INDUSTRY BY BRINGING HIGH-POTENTIAL STUDENTS INTO THE REALM OF CONCRETE

## Graduate and Undergraduate Fellowships

ACI Foundation Student Fellowships are offered to high-potential students in concrete-related studies who are endorsed by an ACI member. The purpose of the Student Fellowship Program is to identify, attract, and develop outstanding professionals for productive careers in the concrete field. Please visit <https://www.acifoundation.org/scholarships.aspx> for more details.

### 2020-2021 ACI Foundation Fellowship Recipients

ACI Foundation Concrete Materials Fellowship	Barbara S. and W. Calvin McCall Carolinas Fellowship	Don Marks Memorial Fellowship
 Madeleine Murphree	 Jessica Thangjitham	 David Orense
ACI Middle East Fellowship	Charles Pankow Foundation Student Fellowship	Elmer Baker Fellowship
 Siham Al Shanti	 Andrew Witte	 Samuel Carper
ACI Presidents' Fellowship	Daniel W. Falconer Memorial Fellowship	Richard D. Stehly Memorial Fellowship
 Laura Hernandez-Bassal	 Zachary Coleman	 Peyton Bailey
Baker Student Fellowship	Darrell F. Elliott Louisiana Fellowship	Tribute to the Founders Fellowship
 Maya Cottongim	 Matthew Upshaw	 Nicholas Slavin



## Graduate and Undergraduate Scholarships

Funded primarily through generous donations, the ACI Foundation administers these scholarships, which are offered to high-potential graduate students in concrete-related studies. The ACI Richard D. Stehly Memorial Scholarship is awarded to an undergraduate student.

### 2020-2021 ACI Foundation Scholarship Recipients

ACI Scholarship	W. Gene Corley Scholarship	Richard D. Stehly Memorial Scholarship
 Zachary Haney	 Thomas Vachon	 Benjamin Steger
ACI Scholarship	Katharine & Bryant Mather Scholarship	Stewart C. Watson Memorial Scholarship
 Joseph O'Campo	 Daniel Ibarra Davila	 Michael Choma
Bertold E. Weinberg Scholarship	Schwing America Scholarship	
 Erinn McArtor	 Daniel Peabody	

## SCHOLARSHIP COUNCIL KEY VOLUNTEERS

- Scott M. Anderson, Pankow
- Tonya Beesley, Baker Concrete
- Anahid Behrouzi, CA Polytechnic State University
- Heather J. Brown, Middle Tennessee State University
- Neil M. Hawkins, University of Illinois at Urbana-Champaign
- Cecil L. Jones, Diversified Engineering Services, Inc.
- Kimberly Kayler, Advancing Organizational Excellence (AOE)
- Debrethann R. Orsak, Cagley Associates, Inc.
- Anton K. Schindler, Auburn University
- Surendra P. Shah, Northwestern University
- Alice Stark, Terracon



# RESEARCH

## OUR DONORS ALLOWED US TO FUND EIGHT PROJECTS

*Research is a critical component to advancing our industry, and the CRC and ACI Foundation seek to make the greatest impact possible with their resources. Beyond advancing concrete knowledge, research can also support emerging, talented researchers who can help shape our industry.*

### 2020 FUNDED RESEARCH

#### Calibration of Simplified Creep and Shrinkage Models Developed Using Solidification Theory

PI: Brock Hedegaard, University of Minnesota Duluth  
Co-PI: Mija Hubler, University of Colorado Boulder

#### Validation of Service Life Prediction for a 28-Year-Old Parking Garage Constructed of Low Permeability Concrete

PI: Amanda Bordelon, Utah Valley University  
Co-PI: W. Spencer Guthrie, Brigham Young University

#### Determination of the Curing Efficiency of Externally and Internally Cured Concrete Using Neutron Radiography

PI: Mehdi Khanzadeh Moradillo, Temple University  
Co-PI: W. Jason Weiss, Oregon State University

#### Full-Scale Testing of a New Double-Beam Coupling Beam (DBC) with a Simplistic Reinforcing Layout

PI: Shih-Ho Chao, University of Texas at Arlington

### COMPLETED RESEARCH, 2020

#### Impact of Retarder-Induced Roughness on Shear Friction Capacity using Conventional and High-Strength Reinforcement

PI: Paolo M. Calvi, University of Washington  
Co-PI: Dawn Lehman, University of Washington

#### Literature Review of Concrete Durability & Service Life Requirements in Global Codes and Standards

PI: Tracy Marcotte, CVM Engineers, Inc.; Keith Kesner, CVM Engineers, Inc.; Joseph Klein, PIVOT; and Randall Poston, PIVOT

#### Towards Comparable Environmental Product Declarations of Concrete: Insights from a Meta-Analysis and Probabilistic Comparative LCA Approach

PI: Hessam Azarijafari, University of Sherbrooke  
Co-PI: Ben Amor, University of Sherbrooke

#### Evaluating the Performance and Feasibility of Using Recovered Fly Ash and Fluidized Bed Combustion (FBC) Fly Ash as Concrete Pozzolan

PI: Farshad Rajabipour, The Pennsylvania State University  
Co-PI: Mona Zahedi and Gopakumar Kaladharan, The Pennsylvania State University

#### Assessing ACI 318 Using Data from the 2015 and 2019 E-Defense 10-Story, Full-Scale Building Tests

PI: John Wallace, University of California, Los Angeles

#### Behavior and Design of Concrete Structures under Natural Fires

PI: Thomas Gernay, The Johns Hopkins University  
Co-PI: Patrick Bamonte, Politecnico di Milano

#### Reliability Evaluation of ACI 318 Strength Reduction Factor for One-Way Shear

PI: Robert Barnes, Auburn University  
Co-PI: Andrzej Nowak, Auburn University

#### Durability of Anchorage Pour-backs: Evaluating the Link between Surface Preparation and Bond

PI: Natassia Brenkus, The Ohio State University

#### Recommendations for Unified Durability Guidance in ACI Documents

PI: Jason H. Ideker, Oregon State University  
Co-PI: Kimberly E. Kurtis, Georgia Institute of Technology; Michael D. A. Thomas, University of New Brunswick; and Thanos Drimalas, The University of Texas at Austin

#### Development and Splice Lengths for High-Strength Reinforcement

PI: Robert Frosch, Purdue University  
Co-PI: Santiago Pujol, Purdue University

#### Reinforced Concrete Coupling Beams with High-Strength Steel Bars

PI: Andres LePage, University of Kansas; and Rémy D. Lequesne, University of Kansas

*To view a list of completed research, please visit:*  
[www.acifoundation.org/  
research/researchprojects.aspx](http://www.acifoundation.org/research/researchprojects.aspx).

# 2020 ACI FOUNDATION AWARDEES



Khayat

The **Robert E. Philleo Award**, presented by the CRC for outstanding achievements in the field of concrete materials, was presented to **Kamal H. Khayat**. Khayat is recognized for outstanding contributions to research, teaching, innovation, and leadership targeting the advancement of high-performance concrete with adapted rheology and self-consolidating concrete (SCC) and the relentless pursuit of knowledge transfer by organizing numerous conferences covering the science, performance, design, and testing standards of SCC.



Vecchio

Vecchio is recognized for outstanding contributions made in the field of structural concrete and in recognition of work leading to the advancement of concrete modeling procedures and their application within nonlinear analysis software.

Wallace is recognized for outstanding contributions to earthquake-resistant design of tall reinforced concrete buildings that utilize shear walls as the primary lateral force-resisting elements and commitment to educating young structural engineers.



Wallace

The CRC recognized two awardees, **Frank J. Vecchio** and **John W. Wallace**, for the **Arthur J. Boase Award** for outstanding achievements in the field of structural concrete.

### CONCRETE RESEARCH COUNCIL KEY VOLUNTEERS

- Claude Bedard, Euclid Admixture Canada, Inc.
- Richard P. Bohan, Portland Cement Association
- Joseph Bracci, Texas A&M University
- Jared Brewe, Precast/Prestressed Concrete Institute
- Michael Brown, WSP USA
- John Busel, ACMA
- Jonathan Dongell, Pebble Technologies Inc.
- Anne Ellis, Charles Pankow Foundation
- Chris Forster, Largo Concrete, Inc.
- Benjamin Graybeal, Federal Highway Administration
- Charles Hanskat, American Shotcrete Association
- Danielle Kleinhans, Concrete Reinforcing Steel Institute
- Hai S. Lew, NIST
- Colin Lobo, NRMCA
- Paul Mlakar, Corps of Engineers
- Vilas Mujumdar, Global Resilience Institute - Northeastern University
- Sulapha Peethamparan, Clarkson University
- Aleksandra Radlinska, Pennsylvania State University
- Joseph Sanders, Western Pacific Precast
- Michael Schneider, Baker Concrete Construction Inc.
- Michael Sprinkel, Virginia Transportation Research Council
- Michael Stenko, Transpo Industries
- Dennis Wittry, Walter P Moore & Associates Inc.





# TECHNOLOGY AND IDEAS

## SDC TECHNOLOGY FORUMS

We foster innovation and problem-solve by hosting Technology Forums twice a year. These 2-and-a-half-day events are attended by industry leaders and subject-matter experts from across many industry segments to discuss and concur on strategic directions needed to move our industry forward and learn about new technologies. Visit <https://www.acifoundation.org/technology/forums> to view recent Forum agendas and future Forum information.



## 2020 FORUMS

### Technology Forum 47

February 11-13, 2020, Charleston, SC

- Workshop on Concrete Construction Productivity
- Two Technology Showcases
- Five Technical Presentations
- Three Presentations on Strategies to Improve Design and Construction
- Panel Presentation, “What the New Durability Code Will Mean to You”
- Strategy and Road Mapping: Durability Code
- Improving the Adoption of Innovation

### Technology Forum 48

August 27-29, 2020, Virtual

- Five Technology Showcases
- Two Presentations on Strategies to Improve Design and Construction

## SDC KEY VOLUNTEERS

- Claude Bedard, Euclid Admixture Canada Inc.
- Kirk Burns, Burns Concrete Inc.
- Rodney Chiodo, R-E-D Industrial Products
- Phil Diekemper, CECO Concrete Construction LLC
- Beverly Garnant, American Society of Concrete Contractors
- Charles Hanskat, American Shotcrete Association

- John Hausfeld, Baker Concrete Construction Inc.
- Carl Larosche, Wiss Janney Elstner Associates Inc.
- Brad Malmsten, Thornton Tomasetti Inc.
- Claudio Manissero, ChemCognition LLC
- Charles Nmai, Master Builders Solutions USA, LLC
- Joseph Sanders, Western Pacific Precast
- Glenn Schaefer, STRUCTURAL TECHNOLOGIES

# SDC MEMBER ORGANIZATIONS

Consider adding your voice to support and advance our industry.

- American Concrete Institute
- American Shotcrete Association
- American Society of Concrete Contractors
- Baker Concrete Construction Inc.
- Beton Consulting Engineers LLC
- Burns Concrete, Inc.
- CarbonCure Technologies
- CECO Concrete Construction LLC
- Central Concrete Supply Co., Inc.
- Charles Pankow Foundation
- ChemCognition LLC
- Combined Creek Consulting
- Concrete Preservation Institute
- Concrete Reinforcing Steel Institute
- Contech Services, Inc.
- CTLGroup
- The Euclid Chemical Company
- Expanded Shale, Clay and Slate Institute
- Florida Department of Transportation
- GCP Applied Technologies
- International Concrete Repair Institute
- James Toscas Associates
- Master Builders Solutions USA, LLC
- Michigan Technological University
- Middle Tennessee State University
- Miller & Long Co., Inc.
- Missouri University of Science & Technology
- MJ2 Consulting, PLLC
- National Institute of Standards & Technology
- NAVFAC EXWL

*“The Strategic Development Council is unique in the ACI community. We are not a technical, educational, or certification committee. Rather we are a forward-looking collection of influencers in the concrete industry, who collectively provide a vision and direction for advancement of our concrete industry,”*

*Charles Hanskat, Chair of SDC and Executive Director of the American Shotcrete Association*

- New Jersey Institute of Technology
- Nucor Steel Birmingham
- Port Authority of NY & NJ
- Portland Cement Association
- Precast/Prestressed Concrete Institute
- Purdue University
- The Quikrete Companies, LLC
- R-E-D Industrial Products
- SIMCO Technologies Inc.
- Simpson Strong-Tie Concrete Repair Division
- Specialty Products Group
- STRUCTURAL TECHNOLOGIES
- Texas Transportation Institute, Texas A&M University
- Thornton Tomasetti Inc.
- Tourney Consulting Group LLC
- University of Kansas Infrastructure Research Institute
- University of Miami
- University of Sherbrooke
- US Air Force Civil Engineer Support Agency USAF CESA
- US Army Corps of Engineers
- US Bureau of Reclamation
- Virginia Transportation Research Council
- Walker Consultants
- Walter P Moore & Associates
- Webcor Builders
- Wind Tower Technologies LLC
- WJE Associates Inc
- World of Concrete – Informa
- WSP USA





# ACI FOUNDATION 2020 DONORS

## Visionary (\$15,000+)

ACI Carolinas Chapter	Ron Burg and Jill Humphrey
ACI Greater Miami Valley Chapter	Jeff and Ayanna Coleman
ACI Louisiana Chapter	Bill Maloney
Advancing Organizational Excellence	Surendra Shah
American Concrete Institute	

## Innovator (\$10,000 - \$14,999)

Cary Kopczynski	CVM	David Lange
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## Benefactor (\$5,000 - \$9,999)

ACI Northern California & Western Nevada Chapter	Pivot Engineers	Randy Poston
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## Scholar (\$1,000 - \$4,999)

ACI Pittsburgh Area Chapter	John Hausfeld	Charles Nmai
Scott Anderson	Pengkun Hou	Christian Orozco
Khaled Awad	Ken Hover	Michael Paul
Roberto Ballarini	Kimberly Kayler	Bekir Pekmezci
Adam Brown	Kamal Khayat	Michael Schneider
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	Wengui Li	Michelle Wilson

## Advocate (\$500 - \$999)

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Joe Bracci	Jane Johnston	Ann Masek
Pete Browne	John Johnston	Antoine Naaman
Matthew D'Ambrosia	Maria Juenger	Procon, Inc.
Anthony Fiorato	Keystone Structural Concrete, LLC	Joseph Sanders
Frances Griffith	Kissick Construction Co., Inc.	Xianming Shif
Trey Hamilton	Tricia Ladely	Zhifang Zhao
Charles Hanskat	Ron Lammy	
Daniel Jansen	Zongjin Li	

## Friend (\$25-\$499)

Francisco Adames	Royce Cornelison	Neil Hawkins	Antonio Mireles	Ziduan Shang
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Philios Angelides	Michael DeBlasio	Mija Hubler	Nichols Consulting Engineers, CHTD	Robert Sinn
Leigh Appleyard	Anthony DeCarlo Jr.	Joe Hug	Matthew Niermann	Louis Sovak
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Brendan Clemente	Leon Grant	Shashi Marikunte	Richard Schlueter	Gang Xu
Marisa Connors	Charles Hamilton	Josh Massa	Dan Schwartz	Stan Zagajeski
James Cook	Julie Ann Hartell	Steven McCabe	Alan Schweickhardt	Vincent Zappia
Robert Cords	Aaron Hastie	Marian Meinheit	Rajan Sen	Mimi Zhan
		Scott Metzger		Paul Zia



# FUNDRAISING

ACI Foundation staff, along with volunteers, succeeded in gaining more supporters and significantly increased community contributions to supplement ACI's support, and sustain growth. The ACI Foundation held their third-annual Fall Appeal that raised over \$72K. The annual Fall Appeal was a huge success, due in major part by our matching donor, ACI Greater Miami Valley Chapter, who matched \$20,000! The ACI Foundation also secured 100% of ACI Board of Directors and ACIF Trustees contributions, grew in online donations, procured new scholarships and fellowships from ACI Chapters and major donors (mentioned on page 5), and so much more!

## GIVING IN 2020

\$630,500 RAISED

115% INCREASE IN FUNDRAISING



### FUNDS RAISED IN 2020

- ACIF General Donations: \$85,700
- ACIF Concrete Research Donations: \$4,800
- ACIF Scholarship and Fellowship Donations: \$520,500
- ACIF Technology and Innovations Donations: \$2,000
- ACIF Sustaining Fund Donations: \$12,500

Total funds raised in 2020: \$625,200

### DEVELOPMENT KEY VOLUNTEERS

- Ronald Burg, American Concrete Institute
- Joseph Bracci, Texas A&M University
- Melissa Camarillo, CHRYSO Inc.
- Jeffrey Coleman, The Coleman Law Firm LLC
- Anthony DeCarlo Jr., TWC Concrete LLC
- Neil Hawkins, University of Illinois at Urbana-Champaign
- Michael Paul, Larsen and Landis
- Alvaro Ruiz Emparanza, Mafic USA LLC
- Michael Schneider, Baker Concrete Construction Inc.



# ACI FOUNDATION DONATION FORM



Promoting progress, innovation, and collaboration in the concrete industry through strategic investments in research, scholarships, and ideas.

Name \_\_\_\_\_

Billing address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Phone 1 | Phone 2 \_\_\_\_\_

Fax | E-mail \_\_\_\_\_

### Acknowledgment information

☐ Please use the following name(s) in all acknowledgments:

☐ I (we) wish to have our gift remain anonymous.

Signature \_\_\_\_\_

Date \_\_\_\_\_

Please make checks, corporate matches, or other gifts payable to:

ACI Foundation  
38800 Country Club Dr.  
Farmington Hills, MI 48331

### Donation Information

I (we) will donate a total of: \$ \_\_\_\_\_

Allocation: ☐ Scholarship Fund ☐ Research Fund ☐ General Fund  
☐ Technology and Innovation Fund ☐ CMEC ☐ other

If other, please describe: \_\_\_\_\_

I (we) will make this contribution by: ☐ cash ☐ check ☐ credit card ☐ other

If other, please describe: \_\_\_\_\_

Credit card type | Exp. date \_\_\_\_\_

Credit card number | CVV \_\_\_\_\_

Authorized signature \_\_\_\_\_

Gift will be matched by (company/family/foundation): \_\_\_\_\_

☐ form enclosed ☐ form will be forwarded

Please return completed form to the attention of Jennifer DeWall by mailing to ACI Headquarters or by e-mailing [jennifer.dewall@acifoundation.org](mailto:jennifer.dewall@acifoundation.org). For questions, please contact +1.248.848.3757.

Advancing the world through innovative concrete solutions.



# 20 Annual Report



ACI Foundation  
38800 Country Club Drive  
Farmington Hills, MI 48331 USA

If addressee is no longer with your organization, please route to his or her replacement or supervisor.

The ACI Foundation promotes progress, innovation, and collaboration in the concrete industry through strategic investments in research, scholarship, and ideas.

We believe in advancing the world through innovative concrete solutions.

[www.acifoundation.org](http://www.acifoundation.org)  
+1.248.848.3144

