aci Foundation

Building the Future

Pictured: Ziad Elaghaoury

"Aside from the financial aid, there are many other benefits... opportunities to meet all sorts of people from ACI, make valuable connections in the industry, plus some awards come with the opportunity of an internship," explains Elaghaoury.

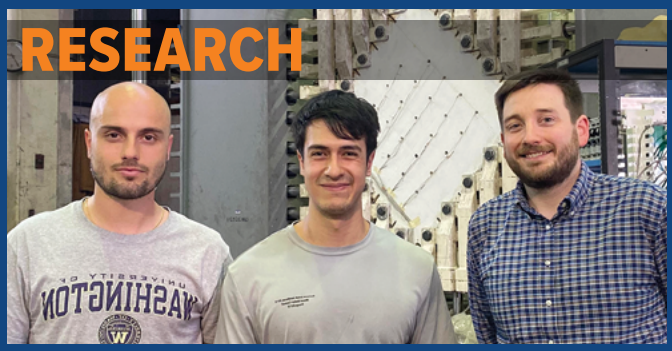
STUDENTS

TECHNOLOGY

Pictured: University of MN students working on research on ACs

"With the Foundation's support, we've been able to establish a diverse and energetic committee that is doing great work toward furthering the understanding and advancement of alternative cements within the concrete industry," Mary Christiansen, Associate Professor at the University of Minnesota Duluth and Chair of ACI 242.

RESEARCH



Pictured: Dr Travis Thonstad, graduate student John Paul Gaston, Dr. Paolo Calvi (Not pictured: Stephen Ahn)

"In the technical realm this research is helping us to evaluate our shear friction equations to expand into new applications," stated Andrew W. Taylor of KPFF Consulting Engineers and Chair of ACI 318, "and in the educational realm the grant sponsored the ambitious work of graduate student Stephen Ahn who delivered excellent research results."

Dear Friend,

You can make a difference! By donating to the ACI Foundation, you can help us fulfill our mission of making strategic investments in ideas, research, and people to create the future of the concrete industry.

STUDENTS

We invest in the industry's future leaders by granting scholarships and fellowships to undergraduate and graduate students. This year, the Foundation supported 25 students with grants totaling over $200,000, to deserving students like Ziad Elaghaoury. Ziad is a Ph.D. student at the University of Western Ontario studying the assessment of concrete structures. He is the recipient of the Daniel W. Falconer Memorial Fellowship, named in memory of ACI's former Managing Director of Engineering.

Elaghaoury plans to pursue an academic career where he can conduct research to improve the quality and economy of concrete construction, and through teaching, encourage bright young minds to find rewarding careers in the concrete industry. He plans to remain involved with ACI and contribute to the continued development of codes and standards.

TECHNOLOGY

The use of alternative cements (ACs) contributes to achieving carbon neutral concrete. In response to an industry need, the ACI Foundation funded an Innovation Task Group to develop an ACI guide that outlines various ACs and their proper use in concrete. Following completion, we initiated the creation of ACI Committee 242, Alternative Cements, where the guide is now housed. ACI Committee 242 works to facilitate development of necessary specifications and tests and will develop a performance-based guide specification for ACs and needed resources for the concrete community as they work towards more sustainable concrete. ACI Committee 242 is currently working on five technical documents that can help the entire design team lower environmental impact when designing and building structures.

RESEARCH

Supporting research helps advance concrete knowledge and supports emerging and talented researchers who can contribute to ACI's resources and help shape our industry. Shear transfer across a joint in reinforced concrete members is used in nearly all concrete structures, however; recent concrete innovations are pushing boundaries on our shear friction theory. ACI Foundation-funded research, completed in 2020, "Impact of Retarder-Induced Roughness on Shear Friction Capacity using Conventional and High-Strength Reinforcement," at the University of Washington and led by Dr. Paolo Calvi, explored an alternate equation.

With your support, the ACI Foundation can continue to fund more students like Ziad, more research like Dr. Calvi's, and advance the industry in new directions with the help of committees like ACI Committee 242. If you would like to contribute to the ACI Foundation, please mail a donation in the self-addressed envelope enclosed with the form, scan the QR code, or visit our website at **www.acifoundation.org/giving**.

100% OF YOUR DONATIONS WILL GO DIRECTLY TO STUDENTS, RESEARCH, AND INNOVATIVE TECHNOLOGY.

Together, we are building the future.

Kind regards,

Ann Masek
Executive Director

Kari Martin
Fundraising Manager