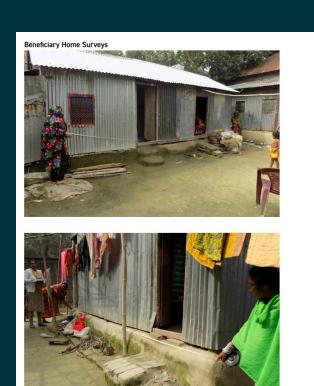
THORNTON TOMASETTI FOUNDATION

THE BEGINNING 14 YEARS

ARCHIVE GLOBAL - \$39,035 MUD TO MORTAR PROJECT





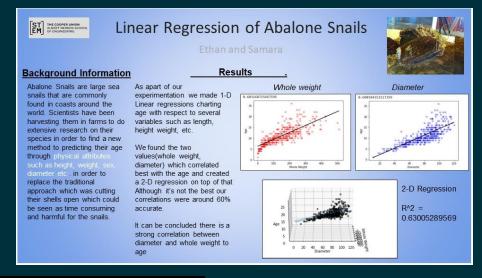




archive

COOPER UNION - \$32,500 PORTABLE MIGRANT SHELTER







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Thank you

Eugene Briskman Richard Tomasetti Ninad Pandit David Gersten Dean Mike Essl



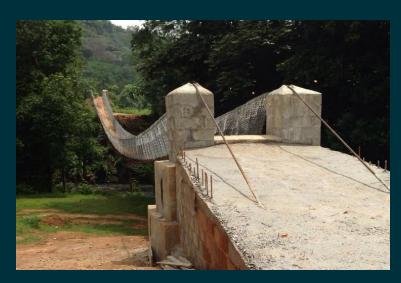
SEA²M³

Cynthia Alberto and the Weaving Hand

QUESTIONS?

BRIDGES TO PROSPERITY - \$100,000















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BUILD CHANGE, EARTHQUAKE PROTECTION \$63,500





































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ENGINEERS IN ACTION - \$75,000



















ENGINEERS WITHOUT BORDERS - \$240,125



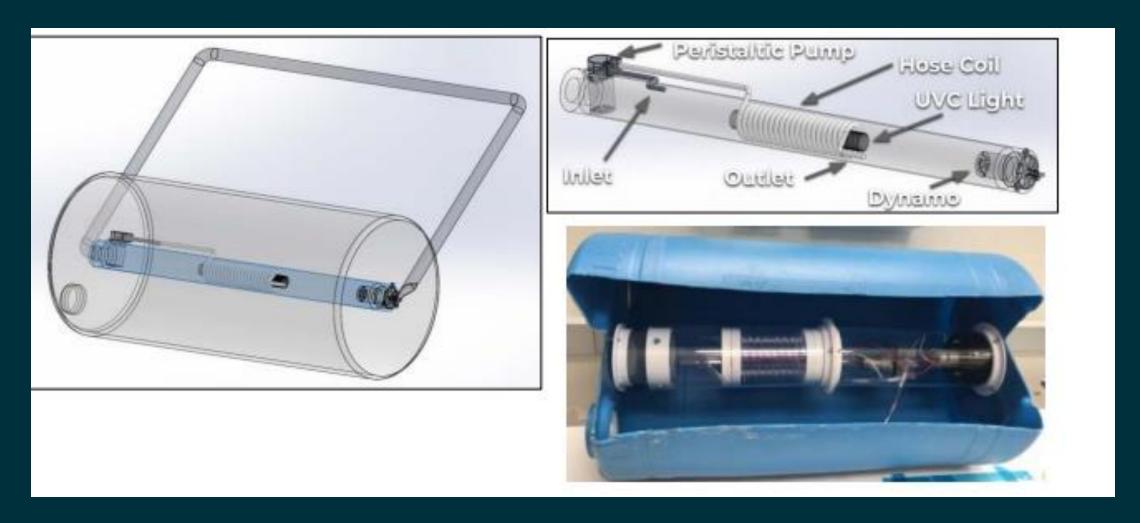
ENGINEERS FOR A SUSTAINABLE WORLD - \$15,000 RESILIENCY AND SUSTAINABILITY







FLORIDA INTERNATIONAL UNIVERSITY FOUNDATION- \$15,000 INNOVATIVE WATER PURIFICATION



GEOHAZARDS - \$87,500 PROMOTING WORLDWIDE EARTHQUAKE RESISTANCE













HOFSTRA UNIVERSITY - \$21,200 EMERGENCY BRIDGE DEPLOYMENT



















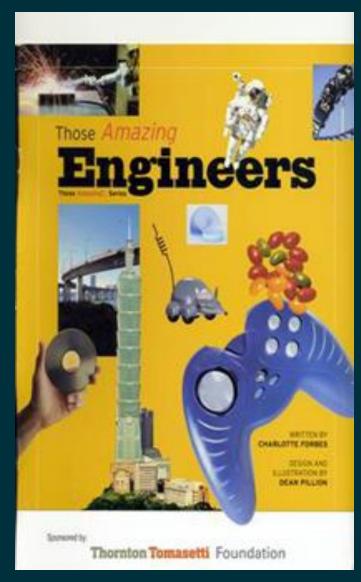
THE URBAN ASSEMBLY SCHOOLS - \$85,000 SUPPORTING UNDERSERVED STUDENTS



INNOVATIVE EDUCATIONAL PROGRAMS SHARED NATIONALLY

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THOSE AMAZING PROFESSIONS - \$38,000





ATTENTION: AMAZING BUILDERS

A WEBSITE THAT WILL TURN KIDS ON TO A CAREER IN CONSTRUCTION!

The construction industry holds incredible potential for new recruits: exciting and meaningful work, good compensation, innovation, sustainable practices, and an opportunity to help society after the challenges of 2020. There are plenty of options for young people with greener, and more cost effective. and without a college degree. And with the promise of massive new infrastructure spending, it is a career that students should know about. As the The New York Times recently stated, "Industries like the skilled trades offer excellent careers and face worker shortages."

IT'S A GREAT STORY. LET US HELP YOU TELL IT NOW

Those Amazing Professions (TAP), a nonprofit that aims to introduce young people early on to careers that benefit them as well as society, is seeking funding for a new website on careers in construction, Those Amazing Builders, based on our book of the same name.

Those Amazing Builders, the book, introduces middle and high school students to the variety of career opportunities in the construction industry and is full of examples of construction projects across the globe. It's the kind of book that motivates students to become part of creating the world we live in - and making it smarter,

WHY A WEBSITE?

Attracting and retaining qualified employees has long been an issue in the construction industry. The Those Amazing Builders website will explain in simple student-oriented language what it means to have a career in the building industry today. Photos and short videos will enhance the message.



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UNIVERSITY OF ILLINOIS ELI W. COHEN TTF ENDOWED SCHOLARSHIP - \$25,000





















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Reach of scholarship & Fellowship programs – 72 universities

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Arizona State U The University of Texas at **Massachusetts Institute of** Technology (MIT) Austin Auburn U. Michigan State University The University of Utah **Brown University** Milwaukee School of U. of Cincinnati California Institute of Engineering **University of Washington** Technology **NC State University** California Polytechnic University of California -New Jersey Institute of University Berkeley Technology University of California -California State University -Northeastern University Davis Northridge University of California -California State University -Northwestern University San Diego **NYU - Polytechnic Institute Carnegie Mellon University** of Engineering University of Illinois at Urbana Champaign Pennsylvania State Colorado State University **University of Massachusetts** University **Columbia University** Amherst Pennsylvania State Cooper Union University University of Michigan **Cornell University Princeton University** University of Missouri Drexel U. Purdue University University of Notre Dame Duke University **University of Virginia** Rennselaer Polytechnic Florida Atlantic University Institute University of Wisconsin -**Rice University** Madison **George Mason University** Georgia Institute of Rutgers, The State Villanova University University of New Jersey Technology Virginia Tech Georgia Southern Institute San Jose State U. Washington State U. Illinois Institute of Stanford University The University of Iowa Technology State University of New **Hofstra University** York at Buffalo Iowa State U. Oklahoma State University Stevens Institute of **John Hopkins University** Technology Olin College of Engineering Kansas State University Texas A&M University King's College Lafayette College The City College of New **Lamar University** Lehigh University The George Washington University Manhattan College

The University of Kansas

Marquette U.

NATIONAL SCHOLARSHIP - \$300,000

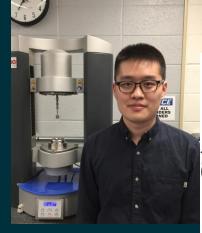


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STUDENT INNOVATION FELLOWSHIP - \$40,000







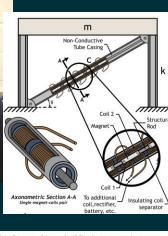


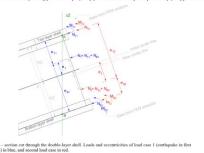




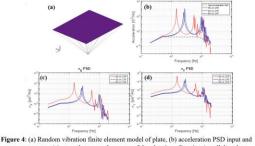
Figure 7: Process to material compatibility check showing a complete single layer curved trajectory

Figure 1: Control algorithm for morphing a building's cross-section

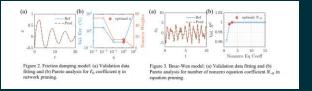
including only gravity load



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response at center, (c) normal stress at the center of the plate in x-direction (parallel to short dimension of plate), (d) normal stress at center of the plate in y-direction (parallel to long



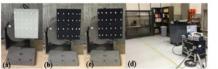
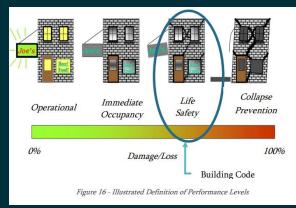


Figure 1: Fiberglass/epoxy quasi-isotropic plates of (a) 0% wt. CNT, (b) 2% wt. CNT, and (c) 5% wt. CNT. (d) Scanning laser vibrometer test set-up.

TECHNICAL LITERACY FELLOWSHIP - \$11,250

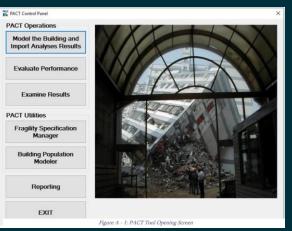












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WWW.THORNTONTOMASETTIFOUNDATION.ORG

Current Board of Governors: Richard L. Tomasetti, Andrew Goldbaum, Elisabeth Malsch, Joseph G. Burns, Raymond Daddazio, Wayne Stocks, Robert J. Nacheman

Past Board of Governors: Dan Cuoco, Joel Weinstein

Current Activities committee: Elaine Shapiro, Amy Macdonald, Peter Quigley

Past Activities committee: Aaron Beebe, Rachel Jackson

Liaison with marketing: Jim Kent, Fallon Dunham, Alex Konidaris, Mike Pinzuti, Vakaris Renetkis, Carolyn Everett, Lorenzo Sanjuan

Foundation Administrator: Gwendolyn Dowdy

THORNTON TOMASETTI FOUNDATION 14 YEARS OF UNIQUE PHILANTHROPY AND APPRECIATION





SOME FORWARD THINKING

ICARE – The Thornton Tomasetti Foundation Graduate Fellowship

- ICARE: Innovation for Climate Adaptation and Resilience in Engineering
- Research and educational support to conduct innovative research at their home institution in an area with demonstrated relevance to climate adaptation, resilience, and civil engineering
- Who should apply?
 - Student enrolled or intend to enroll in a full-time PhD program with at least one year remaining
 - · US citizen or permanent US resident
- Benefits (tbd)
 - Some examples, tuition reimbursement (up to some limit) paid to home institution, stipend paid to student, option for an Internship at TT.
 - Say \$50 \$75K total and renewable for additional years.
 - ICARE could approach the prestige of a Fulbright fellowship

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