Thornton Tomasetti Foundation

Celebrating 11 years and over $1.1 million in scholarships, fellowships and grants to over 40 organizations to support building engineering, design and technology

$121,000 in 2018

Board of Governors, Thornton Tomasetti Foundation
Aine Brazil, Joe Burns, Ray Daddazio, Andy Goldbaum, Elisabeth Malsch, Wayne Stocks, Richard Tomasetti, Joel Weinstein

Activities Committee
Rachel Jackson, Amy Macdonald, Peter Quigley

Foundation Administrator
Gwen Dowdy
What’s New

$10,000 matching grant to develop $20,000 digital version of Those Amazing Architects
What’s New

2018 – 2019 Technical Literacy Fellowship Report

- Research to promote public technical literacy
- Focus on: extreme loading events, wind performance, risk, reliability, engineering processes

Catherine Wolfe
The Cooper Union
Our Projects

• Partner with other organizations for specific projects
• Support students
• Help provide facilities globally for people in need
• Teach these people to provide needed facilities for themselves
Carroll College Student chapter received a grant to seismically retrofit a school in Guatemala that serves as a refuge for the community in natural disasters.

University of Wisconsin Platteville chapter received a grant to support completion of a primary school complex in Ghana, that serves 250 children.
Bridges to Prosperity...

Will give two grants worth $25,000 annually.

10 Grants given to date.

The power of bridges to connect people to opportunity and education
REDUCING DISASTER RISK IN INDONESIA THROUGH SAFER SCHOOLS
A CASE STUDY: SCHOOL RETROFITTING AT SDN 42 PADANG
Build Change

Before

Collapse of out-of-plane wall or heavy gable wall; column with inadequate reinforcement and poor quality concrete

After
4th Annual $5,000 Student Innovation Fellowship Award
Sooraj Kumar A.O. Nair, Arizona State University

Design and Integration of a multi-axis robotic arm for 3D printing of concrete

Flow of process in system integration to printing

Fellowship Judges
Andrew Blasetti
Dongming Feng
Cao Liling
3rd Annual $5,000 Student Innovation Fellowship Award

Autonomous Bayesian Model Updating of a Frame Structure Using Vision-Based Displacement Measurements

**Longxi Luo, Columbia University**

Probabilistic assessment of a building’s state from camera measurements

Validation with laboratory experiments
3rd Annual $5,000 Student Innovation Fellowship Award

Fei Ding, University of Notre Dame

Autonomous Morphing of Structural Profile under Winds
$30,000 Annual National Scholarship Program

2019-2020 Winners

Tamika Bassman
University of California, Berkeley

Lorenzo Ferrari
Columbia University

Diego Rivero
California Polytechnic State University

The 2019-2020 Jury
Peter DiMaggio, Robert Sinn, Peggy Van Eepoel, Wayne Stocks
The Urban Assembly (UA)

UA Established first ever Career Technical Education (CTE) Charter School for Computer Science to open in New York State
2019 Eli Cohen Scholarship

Principal, William D. Bast (right), presenting Timothy Rassi at University of Illinois at Urbana-Champaign with the annual Eli Cohen Scholarship award.