

National Science Foundation: International Research Experiences for Students

Characterization and Biodegradation of Polymers

William Burroughs

Daniel Jacobs

Chemical Engineering

Advisors: Dr. Sachin Velankar & Candice DeLeo

Structural Characterization of Bamboo

Amanda Barry

Ian Mcelhone

Amanda Oczkowski

Civil and Environmental Engineering

Advisors: Dr. Kent Harries and Bhavna Sharma

Improving the Design of Public Housing in Brazil

Jonathan Bumstead

Bradley Harken

Eric Rowand

Civil and Environmental Engineering

Advisors: Drs. Melissa Bilec and Kent Harries

National Science Foundation: Research Experience for Undergraduates

City of Pittsburgh- LED Life Cycle Assessment

Douglas Hartley

Cassandra Jurgens

Eric Zatcoff

Civil and Environmental Engineering

Advisors: Drs. Melissa Bilec and Joe Marriott

Life Cycle Inspired Chemical Design

James Cregg

Michaelangelo Tabone

Chemical Engineering

Advisor: Drs. Eric Beckman and Amy Landis

Microbial Fuel Cells

Charles Covel

Jessica Gardner

David Rounce

Electrical and Computer Engineering

Advisor: Dr. Minhee Yun and David Sanchez

MCSI Undergraduate Summer Research Program

Children's Hospital Green Building Metrics

Matthew Geary

Civil and Environmental Engineering

Advisor: Dr. Melissa Bilec

New Designs for Low-Cost Ceramic Water Filters

Nicole Ostrowski

Mechanical Engineering and Materials Science

Advisor: Dr. Ian Nettleship

Electricity Reduction for Development Properties- New & Existing

Matt Kaminski

Kathleen Kessler

Abigayle Sterle

Civil and Environmental Engineering

Advisor: Drs. Melissa Bilec and Joe Marriott

Sustainable Disinfection

Jennifer Howells

Civil and Environmental Engineering

Advisor: Dr. Leonard Casson

Energy Harvesting for Improved Power Management in Buildings

Anthony Machi

Mechanical Engineering and Materials Science

Advisor: Dr. Buddy Clark

Synthesis of Functional Core-Shell Nanomaterials for Clean Energy Production

Rebecca Byrnes

Chemical Engineering

Advisor: Dr. Goetz Vesper