Civil Environmental Architectural Engineering

POSTER SESSION, 12:30pm to 3:00pm
Kaven Hall

Solutions for an Unpaved Road
Clara Dublin, Shannon Logan
Advisor: A. Sakulich

Beach Accessibility and Conservation
Nadiya Chalak, Cathie Coumounduros, Madison Garrity, Colette Webster
Advisor: S. Lepage

Framingham Stormwater
Adele Brochu, Evan Rios, Kali Sander, Caitlin Strzegowski
Advisor: S. Lepage, P. Mathisen

Improving Traffic Safety During Arrival and Dismissal at the Quinsigamond School
Rachel Flanagan, Morgan Ruoss
Advisor: S. Lepage

Route 122-Airport Rotary Intersection Redesign in Worcester
Mitchell Decelles, Theron Howe, Azat Mukhametkulov, Ritesh Prasannakumar
Advisor: S. Lepage

Mental Health in a New WPI Residence Hall
Christopher Cavallaro, Aidan Murphy, Thijs Seppenwalde, Nicholas Willey, Noah Willey
Advisor: J. Rosewitz, N. Rahbar, J. Ryan

Designing Affordable Housing in Ghana
Hannah Frieden, Kyle Mann, Eda Raycraft, James Scalice, Margot Schassler
Advisor: S. Van Dessel, N. Rahbar, P. Kruger

Tomorrow’s Hurricane Resilient Hub; Designing Modular Shipping Containers for the Mountainous Region of Puerto Rico
Holly Hazelton, Makayla Delo, Emily Deftula, Aradhana Bissoondial
Advisor: S. Van Dessel, T. El-Korchi, N. Ma

Porous Concrete for Microflush Toilet Technologies
Justin Aguilar, Michael Peck, David Omura, John Lowther
Advisor: A. Sakulich, R. Kruger

Design a Tiny House on Wheels for Wildfire and Indoor Air Quality Research and Teaching
Hannah Rodenbush, Hannah Frank, Nathalie Martin-Nucatola
Advisor: S. Liu, S. Van Dessel, N. Rahbar

Thermal Performance of Nanoparticle Reinforced Enzymatic Construction Materials
Georgy Zhukov, Anne McNamara
Advisor: S. Van Dessel, N. Rahbar

Tatnuck Brook Bridge Design
Patrick Nieman, Elizabeth Valentine
Advisor: L. Albano

Performing Arts Center Design for WPI
Adam Bartlett, Mark Delia, Emily Jorden, Fatimah Wattar
Advisor: L. Albano

Design of Terminal E at Logan Airport
Kristin Stilin, Melanie Castillo, Mike Maffeo, Jacob Gassenheimer
Advisor: T. El-Korchi

Revised Affordable Housing for the Modern Family
Danforth Kennerson, Lucas Kamal, Talia Mamayek, Max Wojtas
Advisor: S. Farzin, C. Brown, L. Albano

Design a Net-Zero and a Resilient Building for Heatwaves
Stefanie Beaudry, Vanessa Bussiere, Sarah Johnson, Athina Theofilou
Advisor: S. Liu

Water Contamination from Fire Events
Emily Mullin, Dayna Tang, Luke Marcoux
Advisor: J. Bergendahl, A. Rangwala, Jagan

Regulating Human Emotional States in Build Environment
Gianna Viele, Phebe Cunningham, Sebastian
Villacorta, Hailey Anderson, Nicholas Whalen, Payton Dean
Advisor: S. Farzin, A. Yousefi, L. Albano

**PFAS Phase Friction**
Shannon Henderson, Richard Widman, Ryan Trongone
Advisor: J. Bergendahl, S. Kmiotek

**Sudbury Renewable Renovations & Structures Project**
Keira Coulard-Smith, Sophia Callandrello, Derek Childs, Danielle Gonzalez, Lana Vilkinskas
Advisor: P. Mathisen, C. Eggleson, S. Van Dessel

**Feasibility Study for Sustainable Development in the US**
Adam Shi, Adam Dincher, Karris Krueger
Advisor: S. Farzin, S. Van Dessel

**Re-Evaluated WPI Campus Access**
Morgan Hughes
Advisor: N. Rahbar