

Senior Design Colloquium



FRIDAY, APRIL 28, 2023 (8 am - 12:30 PM | GLRC 202

The Civil, Environmental, and Geospatial Engineering Department is pleased to invite the University community to attend the spring 2023 senior design team presentations. This semester students have undertaken a wide range of projects to fulfill the Department's senior design requirement.



Flood Mitigation via Tunnel for Segment 3 of 1-75 Modernization

Construction Design

• Steele Fortress, Jon Maag, Eric Ottevaere, Eddie Rybowiak

Transportation Design

• Dylan Ferron, Katie McInnis, Grant Pietila, Nigel Soler

Geotechnical Design

• Isaac Fong, Noah Koball, Josh Plante, Connor Rammler, Kevin Wengrzyn,

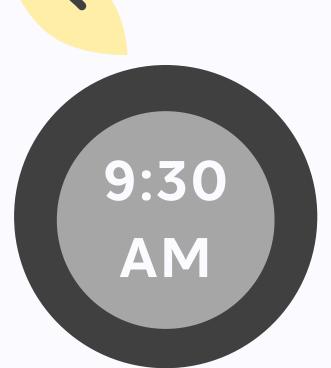
Structural Design

• Spencer Archer, Sydney Bryant, Alex Coulter, Sam Gordon, Colin Vander Beek

Water and Environmental Design

• Henry Campbell, Andrew Ellstrom, Riley Goerge, John Upham

Dr. Zhen Liu (Zoom: https://michigantech.zoom.us/j/8481374323)



Superpave Mix Design of Recycled Asphalt Materials

Using Soybean Based Materials for Clare County

• Morgan Coolidge, Joshua King, Emma Meitler

Using Waste Engine Oil

• AJ Clarey, Jacob Cleaver, Alli Hummel, Kira Olson

Road Design and Improvement in Clare County

• Megan Brinker, Connor Dykehouse, Robon Edwards

Design Asphalt Pavement on Old Concrete Pavement in Saginaw County

• Zachery Collin, Evan Geronimi, Simon Peter, Jacob VanDrie

Road Network Design and Improvement in Dickinson County

• Joslynn Brown, Bradley Getlinger, Samuel Hoekwater, Lance Hoezee

Dr. Zhanping You (Zoom: https://michigantech.zoom.us/my/zhanpingyou)



Anaerobic Digestion System Design for Mezcal Production Wastes

• Braeden Beutz, Luke Cook, Emma Doyal, Kathryn Peterson

KBIC Hatchery Well #6 Location/Design & Pipe Network

• Emily Bergstrom, Robert Davies, John Myaard

Process System Design of Biobeneficiation Plant

• Molly Greene, Kelsie Kaufman, Nathan Kraft, Kendra Lachcik

Structural Design and Construction Plan of Biobeneficiation Plant

• Bill Barnhart, Keira Houston, Kenny Marx, Brennan Pike, Joe Roell

Rural Mexico Water Distillation & Distribution System Design

• Rachel Anguish, Zachary Deur, Casey Lambert, Rachael Ritter, Drew Yesmunt

Dr. Nathan Manser (Zoom: https://michigantech.zoom.us/j/3836961131)