



Michigan Tech

# Senior Design Colloquium

## Civil and Environmental Engineering Department

April 28, 2017

Presentations will be in Dow 641 & Dow 642

The Civil and Environmental Engineering Department is pleased to invite the University community to attend the Spring 2017 senior design team presentations. This semester students have undertaken a wide range of interesting projects to fulfill the Department's design project requirement. Refreshments will be served.

### Dow 641

8:00 AM—9:30 AM

#### Keweenaw Co-op Relocation Study

Advisor: Bill Leder

#### Baldes & Associates

##### Environmental Assessment

Ashely Baldes (PM), Joe Doyle, Carly Gloudemans,  
Jeremy Luebke, Ashley Meijer

#### KEA

##### Site, Neighborhood, Transportation

Cole Shafer (PM),  
Rachel Kloc,  
Hannah Lyons,  
Jessica Splittergerber

#### B.E.E.R Consultants

##### Building

Charles Hubbard (PM),  
Travis Boze, Madison Mroczynski, John Weiss, Wenze Zhang



9:45 AM—11:15 AM

#### Design Alternatives for National Park Service Head Quarters Brownfield Redevelopment

Advisor: Michelle Jarvie-Eggart

#### RMMN Engineering Consultants

Mackenzey Shega-Fox (PM),  
Michelle Kelly, Nick Van Beek  
Ronnie Lane



#### Visionary Engineering

Julia Rice (PM), Brad Boverhof,  
Jack Markosky, Mitch Stark,  
Bruce Carlstrom



#### Second-Hand Consulting Engineering

Daniel Stockard (PM), Nick Skarritt,  
Kelsey Bird, Lucas Fitzpatrick



### Dow 642

8:00 AM—9:45 AM

#### Concrete Formwork and Falsework: Design, Construct and Pour Concrete – Muskrat Falls Hydroelectric Plant/Lower Churchill River project – Nalcor Energy at Goose Falls, Labrador CA

Advisors: Mike Drewyor and Tim Wellert (ILF)

#### Intake Engineering Consultants

##### Intake Structure

Dillon Robokoff (PM), Jacob Haapapuro, Holly Wilson, Weicheng Pan

#### A Team Consulting

##### Draft Tube

Nathan Clisch (PM), Phil Doederlein, Max Reed, Derek Nyquist

#### Internum Consultants

##### Scroll Case

Wyatt Smith (PM), Andrew Moser, Pat Demorest

#### Upper Boundaries Consulting LLC

##### Outlet Structure

Jacob Loew (PM), Alex Nesbitt, Jon Putnam



<http://fmn.criaw-irecf.ca/en/pages/muskrat-falls-maritime-link>

10:00 AM—11:45 AM

#### Sawyer International Airport Transportation Improvements

Advisor: Dave Nelson

#### FARM Engineering

##### Highway Access to Proposed Warehouse Area

Michael Sommers (PM), Ryan Grubb, Anthony  
Peszek, Farren Funsch



#### JCAA Consulting Engineers

##### Rail Access to Proposed Warehouse Area

Alex Lakenen (PM), Aaron Townley,  
Justin Daavettilla, Chase Daavettilla



#### Tri State Rail Consulting

##### Rail Access to Proposed Refinery Area

John Promer (PM), Justin Cyr,  
Travis Maatta, Taylor Schallock



#### Lake Superior Environmental Group

##### Environmental Support for

##### Transportation Options

James Unsworth (PM),  
Andrea Belanger

