

# Senior Design Presentation Schedule

## April 29, 2022

Session Number	Start/End Time	Project/ Faculty Advisor	Project Description
<b><u>LEVI Link</u></b>			
1	8:15 AM 8:50 AM	<b>LEVI</b> J Kim	LeTourneau Engineering Venture Initiative; Upgrade 2020-21 Breathe Senior Design prototype and enter national collegiate venture competition
<b><u>LEGRange Link</u></b>			
2	9:00 AM 9:35 AM	<b>LEGRange</b> N Green	LeTourneau Emulated GPS Range; Developing a GPS test range for evaluation of adversarial signals; 3rd and final year project
<b><u>BADGER Link</u></b>			
3	9:45 AM 10:20 AM	<b>BADGER Reloaded</b> H Kim	Updating previous senior design efforts to build an autonomous geese-chasing vehicle, including automatic charging station
<b><u>LETREP2 Link</u></b>			
4	10:30 AM 11:05 AM	<b>LETREP2</b> Sasaki	LeTourneau Rehabilitation Project; Second year project to continue developing a robotic system to assist gait rehabilitation
<b><u>Sweet Shop Link</u></b>			
5	11:15 AM 11:50 AM	<b>Sweet Shop</b> Tixier	Recovering chocolate mint sticks from failed packaging for local manufacturer; upgrading previous senior design project for production
<b><u>Baja Link</u></b>			
6	12:00 PM 12:35 PM	<b>BAJA</b> Johnson	Design a 4WD Baja Vehicle for the SAE Baja club to compete in national competitions. Note: this is not an official Senior Design team.
<b><u>LUNAR Link</u></b>			
7	12:45 PM 1:20 PM	<b>LUNAR</b> File	LeTourneau University Nexus for Amateur Rocketry Design, construct, and compete a high-powered rocket and payload system
<b><u>Frontier Wheelchairs Link</u></b>			
8	1:30 PM 2:05 PM	<b>Frontier Wheelchairs</b> Reese	Powering Wheelchairs in Developing Nations Design, build, and test a low-cost, rugged wheelchair power attachment
<b><u>TATO Link</u></b>			
9	2:15 PM 2:50 PM	<b>TATO</b> Churu	Transition and Transfer Objective; Vehicle mobility assist device: Design, build, test device to assist entry/exit to vehicle by persons with disabilities
<b><u>ACME Link</u></b>			
10	3:00 PM 3:35 PM	<b>ACME</b> Warnemuende	Additive Construction Materials Experimentation; Refining a 3D concrete printer; experimentation on materials and characterization of products
<b><u>Flow Link</u></b>			
11	3:45 PM 4:20 PM	<b>Flow</b> Salami	Design, construction, and field testing of rainfall-runoff flow monitoring devices for the LETU campus watershed with data collection for long-term performance evaluation
<b><u>Low Heat SS Link</u></b>			
12	4:30 PM 5:05 PM	<b>Low Heat SS</b> Pessoa	An experimental study of the applicability of controlled low heat input transfer modes in welding of stainless steel
<b><u>HAZ Toughness Link</u></b>			
13	5:15 PM 5:50 PM	<b>HAZ Toughness</b> Baumer	Validate a Testing Protocol to Establish the Maximum Heat Input for Welding S-1 Series Carbon Steels with Toughness Requirements