

UNT College of Engineering
Department of Mechanical Engineering
2021 ME EAB/Design Day
Wednesday, April 21, 2021

8:00am – 10:00am ME EAB Meeting – Chair Dr. Kuruvilla John

Zoom Meeting ID: 854 8641 0871

10:00am – 5:00pm Student Presentations

MECHANICAL ENGINEERING TECHNOLOGY

Zoom Meeting ID: 889 1703 6445

Moderator: Dr. Huseyin Bostanci

Co-Host: Dr. Hector Siller

Team #	Project Name	Time
1	Locking Anti-Temper Hand-Wheel for Valves	10:00am - 10:25am
2	Erosion Resistant Choke Valve	10:30am - 10:55am
3	CVT Gear Drive for Electronic Valve Actuators	11:00am - 11:25am
4	Subsea Electronic Actuator	11:30am - 11:55am
	Lunch Break	12:00pm-1:00pm
5	Design and Manufacturing Concepts of UAS Morphing Structural Elements	1:00pm - 1:25pm
6	Demonstration Lab for UAV Testing	1:30pm - 1:55pm
7	Mobile Stand for Clay Target Thrower	2:00pm - 2:25pm
8	Laboratory Equipment for Two-Phase Immersion Cooling	2:30pm - 2:55pm
	Break	3:00pm – 3:05pm
9	Thermal Radiator for CO ₂ Deposition in Deep Space Transit	3:05pm - 3:30pm
10	Fire Hose Auto-Roller	3:35pm - 4:00pm
11	UAV Structural Monitoring through Fiber Optics	4:05pm - 4:30pm
12	Gas Seepage Detection System	4:35pm - 5:00pm
	Closing Statements	