

Schedule of Events

9:30 am	Dean's Welcome
10:00 am to 12:00 pm	Concurrent Design Presentations
12:00 pm to 1:00 pm	Lunch Break
1:00 pm to 3:30 pm	Concurrent Design Presentations



SENIOR DESIGN CONFERENCE

FRIDAY, APRIL 26, 2024

Discipline Abbreviations

AE = Architectural Engineering	EV = Environmental Engineering
CH = Chemical Engineering	ME = Mechanical Engineering
CE = Civil Engineering	MD = Multi-Disciplinary Projects
CS = Computer Science	NG = Natural Gas Engineering
EE = Electrical Engineering	

FRANK H. DOTTERWEICH COLLEGE OF ENGINEERING

Room	ENGC 113	ENGC 109	ENGC 107	ENGC 275	ENGC 136	ENGC 138
Session	Chemical	Mechanical	Electrical	Civil	Civil	Computer Science
Moderator	Dr. Joseph Amaya	Dr. Larry Peel	Dr. Sung Won Park	Dr. Amir Hessami	Dr. Jong Won Choi	Dr. Habib Ammari
Staff	Desiree Anguiano	Crystal Cabrera	Tessy Walker	Natalynn Luera	Laura Salinas	Tamara Guillen
10:00 am	CH1 - Aniline from Benzene	ME1 - Design of a Robotic Arm to Apply a Polyurethane Liner to Box Culverts	EE1 - Cost Effective Room Mapping/Modeling Module	CE1 - Arena Parking Garage	CE6 - Kingsville Community Center	CS1 - TAMUK Interior Mapping
10:30 am	CH2 - Isobutylene from Isobutane	ME2 - SAE Baja Competition	EE2 - Plant Monitoring and Defense System	CE2 - Kingsville Mosque Expansion	CE7 - TAMUK Multiplex Theatre Design	CS2 - Finance Portal
11:00 am	CH3 - Biodiesel from Chicken Fat	ME3 - Design of a Multi-Tool Actuator	EE3 - Autonomous Robot for Material Handling	CE3 - H.M. King Pedestrian Bridge	CE8 - General Cavazos Overpass	CS3 - Smart Mirror
11:30 am	CH4 - Hydrazine from Ammonia and Hydrogen Peroxide	ME4 - Design of a Combustion Chamber and Fuel System for a Micro-Turbine	EE4 - Autonomous Smart Light	CE4 - Seale Street	CE9 - Calypso Hall	CS4 - ConnectASKtic ProdAPpivity
Noon LUNCH BREAK						
Session	Chemical/Natural Gas	Multi-Disciplinary	Electrical	Civil/Arch/Environmental	Civil/Architectural	Computer Science
Moderator	Dr. Joseph Amaya	Dr. Larry Peel	Dr. Sung Won Park	Dr. Amir Hessami	Dr. Jong Won Choi	Dr. Habib Ammari
Staff	Desiree Anguiano	Crystal Cabrera	Tessy Walker	Natalynn Luera	Laura Salinas	Tamara Guillen
1:00 pm	NG1 - Design of an Indirect Heater for Treating Emulsified Crude Oil	MD1 - Oil Spill (USV) Unmanned Surface Vehicle	EE5 - Portable Solar Charger	CE5 - Javelina Town	CE10 - Garden Square Apartments	CS5 - Multi-Threat Detection: A Well-Rounded Approach for Common Attacks Found in Cyber Space
1:30 pm	NG2 - Laboratory Analysis for Improving and Optimizing Eco-Friendly Drilling Mud Properties	-	-	AE1 - The Design of a Kingsville Sports Center	AE3 - Design of King Entertainment Center	CS6 - Leveraging Neural Networks for Enhancer Activity Prediction in Genomic Sequences
2:00 pm	-	-	-	AE2 - TAMUK Recreation Center Redesign	AE4 - Design of the Javelina Event Center	-
2:00 pm	-	-	-	EV1 - Cyanide Reduction in Wastewater Effluent	AE5 - Design of the Strike Studios	-
3:00 pm	-	-	-	EV2 - Alternative Septic System Solutions for Texas Colonias	-	-
3:30 pm CONFERENCE END						