

Engineering Projects

expo

2025

Friday, April 25



College of Engineering & Applied Science
UNIVERSITY OF COLORADO BOULDER

10:30 a.m. - 2 p.m.

Private Judging

Judges will evaluate teams on their capstone projects.

1-2 p.m.

Industry hour

2-5 p.m.

Open to the public

Welcome K-12 students, prospective CU Engineers, community members, family and friends.

5-5:45 p.m.

Awards Ceremony

Announcement of each department's winning teams and the results of the People's Choice Awards.

THANK YOU INDUSTRY SPONSORS

MEET THE TEAMS

Architectural Engineering (AR)

AR01: **Student Success Building**

Cindia Denova Garduno
Colin Finnerty
Ammar Alqallaf
Yousef Alqallaf
Jassim Almoossallam
Daniela Brown
Unified Engineering

AR02: **Student Success Building**

Maryam Afeeli
Maha Madooh
Sara Alrubaie
Sadan Almukhtar
Sherifa Aldarhman
Kwt team

AR03: **Student Success Building**

Dana Majer
Lars Chang
Ryleigh Taylor
Macy Will
Josh Kilareski
Alex Pentecost
C6C Design

AR04: **Student Success Building**

Nourah Altaher
Deema Alhouli
Shaikha Alkhudhari
Sarah Aldhafiri
Yaqoub Salem
Alaa Alnajjar
Kuwait Team

AR05: **TRUS Building**

Brayden Gurien
Maja Sakiewicz
Cami Campbell
Caroline Mumm
Kai Cunha
Rebeca Perez
Trussworthy Engineers

AR06: **The CLI Building**

Kale Dohrman
George Kurtz
Erik Eisenrich
Gianni Carbonaro
Jason Pelzel
Dominick Gomez
6 Pack Drill Thrillers

AR07: **Student Success Building**

Sanbebablic Alnaser (Santos)
SED (Structural Engineering Design)

Biomedical Engineering (BME)

BM01: Hydronovo

Ariana Morales
Deyla Matkovich
Janeth Marquez Rubio
Valeria Amanda Fallas Zúñiga

Hydronovo

BM02: NeoPulse

Oximetry Neonate Pressure

Management

Karina Li
Connor Gagen
Paloma Peters
Lindsey Heyd
Kahlea Schlegel

Medtronic

BM03: Resonance

Integration of Real-Time Skin

Conductance Measurements

Into FBS-01

Chloe Knape
Anna Mellizo Kroll
Clare Keeler
Rachel Haug

Full Body Sound

BM04: Medtronic - Alloy Open Jaw Test Fixture System

Kloie Bautz
Haley Phillips
Nicole Taylor
Jacob Fletcher
Christian Moon

Medtronic

BM05: CD Team Chlorine Dioxide Sterilization Device

Zoie Nuño
Cam Mcnulla
Ariadnee Ziady
Kosy Ogbonna-ukuku
Sam Zanotti III

Boulder Sterilization Services

BM06: Team ABC ConMed Next Generation Argon Module

Elizabeth Root
David Katilius
Creighton Tisdale
Andrew Swanson
Devon Mckeon

ConMed

BM07: Reflectance Based Pulse Oximetry Patient Simulator

Andrew Mongin
Fashion Yohannes
H Jenks
Guadalupe Ramirez
Sean Kelly

Medtronic

BM08: Team Infinity Automatic Weight-Based Urine Output System

Ellie Huettel
Julia Keefe
Olivia Bohnen
Brendan Naranja
Meenakshi Skandarajan

Dr. Gerard Salame

BM09: Continuous Ethylene Oxide Monitoring Systems

Bailey Geisel
Ali Jesaitis
Vincent Idnani

Boulder IQ

BM10: Team FML Cardiost Fully Magnetic Levitating Motor

Eva Burns
Julia Flynn
Drew Aparicio
Wes Doyle

Cardiost

BM11: Team TET 2.0
Continuation on Developing
Transcutaneous Energy Transfer
System to Power Left Atrium
Unloading Device

Cassidy Allen
Rachel Beem
Bibek Shrestha
Srishti Jerath
Daimean Solis
Andy Tran

Cardiost

BM12: Flowable Biomaterial
Mixing and Delivery

Gavin Channell
Hayden Tomazin
Julia Ingram
Bridget Antreasian
Eve Koester

TissueForm

BM14: Streamline Solutions
Analysis of Conventional
and Laser Cut Hypotube
Reinforcement in Interventional
Device Design

Radhika Patel
Toby Bernotat
Giovanni Llaury
Nihal Pandra

Meddux

Computer Science (CS)

CS01: Act Like A Fraudster

Walker Narog
Shuchi Shah
Daniel Evarone
Zach Cook
Isaac Kou
Diego Marrero

Alliant National

CS03: Tenfins Portal

Justin Jamrowski
Nate Weaver
Kevin McMahon
Logan Proffitt
Vincent Bowen
Drew Boynton

Beckmann Building

CS06: VIABLE

Jackson Cockrum
Alex Philipson
Derick Sayavong
Jakob Rosen
Eve Diby
Mari Ochoa
Harper Stoeckle

BioFrontiers Institute

CS02: Alliant National # 2
Getting to know you

Max Panning
Danny Alba
Adam Wuth
Yash Thapliyal
Jithin Renji
Sriyans Pattanaik

Alliant National

CS04: Investigation of
Emerging Satellite Solutions
for Data Connectivity

Talha Ather
Birwa Balar
Nicholas Henley
Michael Laguatan
Davis Olson
Taisiia Sherstiukova
Bryson Smith

BI Incorporated

CS08: Advanced Robotics
Workshop

Kailen Sammons
Ryan McKiel
Jack Savio
Xuan Tan
Cooper Thiel
Jonathan Wu
Khushbu Adhikari

Colorado Space Grant Consortium

Computer Science (CS)

CS09: Parchment

Ashley Kastler
Owen Taylor
Ruan Abarbanel
Conrad Barron
Ben Gardner
Ryan Hannigan
Captured Sun

CS10: CADUS

Ethan McAleavy
Tyler Kloster
Roman Lynch
Hana Burroughs
Steven Darbie
Ethan Nguyen
Nikhil Bailey
NYAGI Project

CS11: NLP Research in Finance

John Otterbein
Nick Miller
Jaden Snell
Reda Razza
Mathis Fituwi
Luis Elias
Max Meiser
**CU Boulder, Leeds School
of Business #1**

CS12: Big Data Processing and Modeling for Financial Research

Connor Doane
Maxwell White
Arjun Peroor
Theo Bragstad
Joseph Allred
Benjamin Calkins
CU Leeds School of Business

CS15: DIGICLIPS

Adam Adl
Ellina Kim
Hyder Baig
Faez Alanazi
Jiahao Xu
Yufan Qian
DigiClips

CS16: Expedia Trending Recommendations

Ishan Gohil
Alexander Brimhall
Jack McKinstry
James Vu
Evan Zachary
Benjamin Kohav
Dominik Krotzer
Expedia

CS17: Flex Gaming Predicting Skills and Attributes from Popular Video Games

Julio Gonzalez Sandoval
Aiden Devine
Leo Su
Noah Rose
Maxwell Chang
Daunte Mascotti
Jared Dutton
Flex Data Inc.

CS18: Festo DevOps

Mreedul Gupta
Luke Fitzpatrick
Zane Perry
Erik Hirschmann
Harika Kondur
James Hautekeete
Festo

CS20: Logic and Language: Bridging the Gap

Parker Allen
Alberto Espinosa
Nikko Gajowniczek
Solus Thompson
Ethan Trapp
Andrew Yonan
GHX

Computer Science (CS)

CS21: AI Generic Log Parser

AJ Juenemann
Brian Avner
Freddy Linn
Connor Locke
Emma Lowery
Ashton Wilbern

SIEM Company

CS22: Graylog: AI Search Dashboard

Jay Bentley
Manas Gupta
Hassan Alanazi
Sunnyojita Rattu
Grayson Hubbell

Graylog

CS23: EcoLocate

Charlotte Gorgemans
Kimberly Marthias
Andrew Friery
Batool Hani
Ian Stewart
Roxanne Manthy
Kalli Davidson

GriffMonster LLC

CS24: SeeMyRace

Nathan Kochera
Scott Hardman
Caedin Cook
Vraj Patel
Kavin Ramesh
Nikhil Chakka

GriffMonster LLC

CS25: Mars Buffs Mars Rover Routing Algorithms

Ryan Wagster
Kevin Buhler
Adam Carlson
Grace Harrell
Luca Hodge
Brock Hoos
Oscar Mikus

NASA/JPL

CS26: Northrop Grumman*: Autonomous Detection, Tracking & Interception

Vic Pham
Brendan Lancaster
Caleb Lehman
Derek Norman
Jordan Okada
Oscar Rhoades
Madison Crouch

Northrop Grumman

CS27: SMI: Analytics and Generative AI Analytics and Generative AI integration for SMI Clinical Integration Maturity Model (CIMM)

Stefan Bobick
Austin Hardy
Harald Riisager
Logan Tilly
Vidhaan Singhvi
SMI Supply Chain

CS28: Studio2Stadium Mobile App, Events Page and Account Types

Michael Stich
Adrian Reghitto
Nicholas O'Connor
Daniel Hernandez
Noah Vilas
William Johnson
Studio2Stadium

CS29: Trimble Capstone AutoDS - Agentic Data Science

Daniel Hatakeyama
Yuri Fung
Che Meng Her
Aneesh Kaushik
Joey Weber
Warren Fu
John Danekind

Trimble

Computer Science (CS)

CS30: UCAR: Online Nitrogen Cycle Game

Samuel Jansen

Linda Ngo

Angela Nguyen

Khizar Pasha

Tien Vu

Bobby Vu

University Corporation for Atmospheric Research

CS31: Unplug

Jared Press

Emma Worthington

Elia Muncey

Sanjana Kumpati

Unplug

CS32: ML training of a simple robotic arm

Artemis Shaw

Alex Burch

Austin Schene

Evan Gattis

Kevin Kauffman

Zak Basso

Medtronic

CS19: AI-Driven Prototype Generator: Automating Software Prototyping (for business users)

Zachary Bailey

Robiel Kennedy

Rayaan Lodhi

Mathew Corley

Prajwal Nepal

Andrew Truong

Festo

CS14: CU MS-CS: Coursera Slack Sentiment Analysis

Owen Kutzscher

Sean Shi

Sanghyun Shim

Jeremy Schur

Ibrahim Aldulajjan

CU Boulder

CS13: Coursera Automated Course Monitoring & Readiness

Clement Canel

Alex Archer

Jesse Black

Aniket Chauhan

Nasir Naqvi

Coursera

CS07: Leveraging Small Language Models for Efficient NOTAM Q-Code Classification

Arthur Barbosa

Ainsley Fletcher

Evan Lesnefsky

Lucca Quintela

Diti Gupta

Lindy Zhang

Max Knauss

Boeing

CS51: Touchdown\$

Matt Procter

Avery Lawson

Ryan Oros

Mateusz Muszynski

Dayn Reoh

Touchdown\$

CS52: BackOut

Michael Sexton

Baxter Romero

Aryan Singh

Joe Powers

Paul Tracy

BackOut

CS53: CADaver

Harley Ewert

Nathan Keyt

Jackson Sutherland

Francesca Tenney

CADaver

Computer Science (CS)

CS54: ParKing

Will Anderson
Artem Yatsenko
Benjamin Apelman
Matthew Cadol
Nico Tsiridis

ParKing

CS55: Sugar

Kira Velez
Ruby Gavagan
Jennifer Kim
Max Mayali
Tome Dudanov
Roman Di Domizio

Sugar

CS56: Sessions

Turner Naef
Tobey Switzer

Sessions

CS57: Skillsift

Andy Strong
Assaf Boneh
Adrian Nica
Nick Bolger

Skillsift

CS58: LandIQ

Kashyap Challapalli
Arnav Jain
Evan Tseng

LandIQ

CS59: Hedge

Josh Roy
Albashir Ali
Moses Bazzi
Jaden Feldman
Will Van Vuuren

Hedge

CS59: Hedge

Josh Roy
Albashir Ali
Moses Bazzi
Jaden Feldman
Will Van Vuuren

Hedge

CS60: Measures AI

Beckett Hyde
Gus Cedergrund
Cameron Davis
William Dravenstott
Caleb Kumar
Hassan Shahzad

Measures AI

CS41: Amazon Image Optimization and Campaign Software

Pavan Sai Appari
Anirudh Prashant Kalghatkar
Sachin Kashinath Rathod
Sharath Soundarrajan Vanisri

Unboxme

CS42: Vectorizing 2D

Floor Plans

Vaishnavi Sawant
Gavin Morrison
Dharini Baskaran

Inovonics

CS43: Web-based Invoice

Gehna Anand
Monica Gullapalli
Akhil Tadiparthi
Nikola Tanovic

Rule4

CS44: Risk Profiling

Jayant Duneja
Deepanshu Sachdeva
Aditi Kamatgi
Timur Tripp

Alliant National

CS45: Benchtop Lab Assistant

Govardhan Narasimha Murthy
Karan Bantia Ram
Samarth Sudarshan Kumar
Sri Venkatesha Mani Narayanan

Biocollate

CS46: Tynt Technologies Inc.

Umang Kavedia
Lawrence Khadka
Tynt Technologies Inc.

Computer Science (CS)

CS47: Find, Deconstruct, & Answer

Sagar Swami Rao Kulkarni
Pradyumna Chippigiri
Vignesh Kumar Karthikeyan
Aman Dipesh Sheth

Alliant National

CS48: Rule 4 #2: HMI Design/Develop IIoT HMI Design/Development for a Industrial Internet of Things (IIoT) Demonstration Town

Josef Collins
Prithvi Malhotra
Spriha Mandal
Xen Hasnat

Rule4

CS61: Nexus Estates

Adam Prieto
Tyler Cranmer
Peter Kinder
Julian Bouchard
Niko Johns
Nicholas Kopiwoda

Nexus Estates

Electrical, Computer & Energy Engineering (EE)

EE01: Neon Falcon PLSCX-Band Radiometer

Yousef Alenezi
Nate Golding
Sean Lockhart
Aron Macanip
Rowan Mcconvey
Mateo Munoz

Center for Environmental Technology

EE05: Basically Wizards Environmental Variance Analyzer (EVA) Pod

Sydney Medina
Anika Mathur
Eli Wall
Andrew Morris
Julia DiTomas
Shane McCammon

NASA Colorado Space Grant

EE07: Cash \$ Money Mesh Network of Microbial Soil Sensors

Andrew Huynh
Benjamin Scheck
Daniel Johnson
Jose Estrada
Mathias Labuszewski
Sam Walker

BioSensor Solutions, Inc.

EE04: Dragonfly Phased Array Demonstrator

Anna Ikelheimer
Annalie Haralson
Ishaan Wenger
Kaili Allen
Seif Ksouri
Mia Tomasulo

Zoya Popovic

EE06: WaveGen Warriors EIT Vision

Peter Braza
Dante Ausonio
Ahmed Khan
Gavin Unrue
Graham Snyder
Gustavo Sanchez Sanchez

Andy Goldstein

EE08: Cable Crusaders Emerson Ethernet APL Media Converter

Mohammed Alnouri
Ahmed Al Alawi
Nathan Mahary
Garrett Cook
Owen Villas
Sam Feller

Emerson

Electrical, Computer & Energy Engineering (EE)

EE09: ResistHER++

Project Helios

Donavon Facey
Samiha Abonty
Agustin Jim Munoz
Kenzie Ballif
Kendall Ahern
Allison Butte

Medtronic

EE10: Ohm++

Adaptive Fishing Rod Controller

Garrett Hurd
Tyler Martin
Pedro Mejido
Felipe Tamayo Tapia
Vedant Shah
Travis Wood

Quality of Life Plus and River Deep Foundation

EE11: Wired and Tired

Purification over Ethernet

Claire Darley
Lauren Egaas
Kira Goo
Jake Peters
Quinton Corry
Chris Sponza

Sinclair Digital

EE12: OGCAD

The Multiplexed SMU

Senayt Wolde
Mahdi T. Al-Marhoon
Dylan Schafer
Owen Hushka
Claire Markus
Ali Brzostowicz

Teradyne

EE13: Qualcomm

Automated Cable Test System

Andrew Crawley
Josh Ramirez
Noah Schakel
Charlie Donalds
Max Kilcoyne
Nattapast Sirawattanachai

Qualcomm

EE14: The Magnificent Seven's

Wizardly Wand

Parker Ackerknecht
Prakash Gurung
Alec de Graaf

Tim Swetten

EE15: Sensor Squad

Smart Sentinel System

Matusula Tewelde
Farah AlSaleem
Dutt Kalluri

EE16: Just Geoff

OpenHEG: Brain-

Imaging for All

Geoff McIntyre

Prof. Eric Bogatin

EE03: Fuse Busters

A Helping Hand

Matthew Cerza
Troy Quintana
Zachary Shelton
Jacob Stewart
Jay Kanokthipphayakun
Christian Lopez

Dr. Mona El Helbawy and Dr. Leopold Beuken

EE02: Rocky Mountain

Innovators

Radar Cross Section

Test Bench

Aaron Schurman
Noble Skariah
Alex McDowell
Peter Wadowski
Andrew Hamamji
Mohammad Alahmed

Cody Scarborough

EE17: Lone Spark Labs

Data Acquisition Shield

Kayli Silvers

Prof. Eric Bogatin

Environmental Engineering (EV)

EV03: Ralphie's Runway Consulting Regional Airport Deicing Storage

Kyliana Gailitis
Arvind Mudaliar
Sam Bazarov
Joe Loy
Bryan Wright

ACRP Design Competition

EV04: Erosion Einsteins Engineering Sediment Transport Model of Fourmile Canyon Creek & Trail Crossing Redesign

Evelyn Hoffman
Julia Hyden
Mia DiPetrillo
Mackenzie Kiley
Jamie Tran

City of Boulder

EV06: Flow Guardian Drone Services (FGDS) Wastewater Infrastructure Visual-Inspection Drone

Natalie Clarke
John Recchia
Rachel Peritt
Abigayle Bain
Zachary Blixt

Metro Water Recovery

EV07: Water Wise More Water Less Concentrate

Ben Jordan
Ryan McManus
Isabella Chambers
Lachlan Nagel
Nik Licis

John Pellegrino

EV08: AirVantage Engineering AirBuff: Next Generation HEPA PAC

Kristina Petrov Strezoska
Carter Dart
Henrik Helmig
Ammar Alazemi

Smart Air, Mark Hernandez

EV10: Cirkulär Energy Sustainable Biogas Utilization and Energy Recovery

Bellaxandra Stephenson
Alison Keane
Aleksa Camino
Hanna Abrahamsson
Tanya Tyagi

Drake Water Reclamation Facility

EV11: The Therminators Reducing Wastewater Effluent Temperature to Protect Colorado's Aquatic Life

Eli Yoder
Bella Hugate
Will Jafek
Riley Jones
Oliver Teuscher
Maria Guerra

**Rocky Mountain Water
Environment Association**

EV12: Mountain Water Technologies Wetlands for Source Water Treatment

Sophia Dalke
Dylan Roberts
Natalie Hanson
Marta Barrett
Andre Knapp
Ali Alhajji

Confidential Colorado City

EV13: Automated Planter Box

Taiba Al Fayez
Rana Alrowaished
Serena Bolish
Brian Quil

Boulder Brightbox

Mechanical Engineering (ME)

ME01: Machine Tab Remover

Samuel Camp
Steven Harris
Ruby Martinez Gomez
David Whisnant
Brenton Yu

Accu-Precision

ME03: Methane Monitoring Rover

Airyl Van Dayrit
Harrison Gannon
James Smith
Elias Doherty
Ethan Rossi
Dalton Prokosch
Cole Romig
Thomas Troisi
Dustin Trevino

Hannigan Air Quality Lab

ME04: 3-Blade Broadhead

Tara Fisch
Alexander Clementson
Bryce Johnson
Josh Tadesse
Walker Nesbitt
Daniel Carranza

Iron Will Outfitters

ME05: Expandable Broadhead

Adam Albritton
Owen Berv
Eliza Bourne
Sean Donaldson
Caden Klein

Iron Will Outfitters

ME06: Rotary Fluid Feedthrough and Electrical Slip Ring for Deep Space Missions

Luke Gordon
Bing Hui
Elise Johnson
Kevin Kim
Hari Manne
Sarah Pepper
Jorden Wehrly

Lockheed Martin Space

ME07: Medtronic Navigation Medtronic Navigation Snapshot

Jack Napoli
Sarah Bian
Charles Gau
Kyle Paris
Alexandra Zinman
Ryan Garrett

Medtronic

ME08: Medtronic Surgical Robotic Arm Optimized Medtronic RAS Device

Kalysa Christopher
Christopher Adami-Sampson
Garrett Miller
Gregory Reilly
Timothy Teh
Cheng Zhou
Elyjah Toledo
Zak Chehadi
Ben Smitherman

Medtronic

ME09: Portable Massage Table

Ana Beatriz Gonzalez
Alejandro Alonso
Huan Le
James Overberg
Jacob Foley
Jovan Martich

Milwaukee Bucks

ME10: Adaptive Pool Cue for Quadraplegics

Jason Katz
Daniel Vesselovskii
Mateo Thomas
Miles Jarnot
Meghan Merrow
Matthew Sherman
Jonah Chapel
Jack Franz

Quality of Life Plus

Mechanical Engineering (ME)

ME11: Drones for Space Vehicle Dynamics Simulation

Delos Ashcraft
Xander Johnson
Lander Mcnamee
Zachary Nino
Fernando Contreras Acosta
Jesus Garcia Chavez
Vishwah Jaine
Pierce Avner
Cooper Lay

Sierra Space

ME12: Golden Hour U.S. Army CASEVAC Pod

Reece Baumhoff
Claire Clancy
Michael Daichman
Hayden Dondlinger
Jacob Krajnik
Gian Meyer
Jeffrey Pizanti
Travis Smith

TB2 Aerospace

ME13: First Solar Series 7 (FS7) Module Rail

Thomas Brentano
Ariana Ramirez
Alexander Esrey IV
Benjamin Haley
Patrick Rahilly
Max Williams

Valmont Solar

ME14: Automated Train Bearing Inspection Machine

Victoria Gracia
Travis Sturckow
Marlin Kropp
Brandon Phillips
Cooper Johnson
Sam Nicastro
Adam Hosburgh

Wabtec

ME15: CU Baja SAE Baja SAE Vehicle Design Competition

Alex Mooney
Andrew Lawley
Brock Bleazard
Brooke James
Cali Greenbaum
Eoin Frankel
Erik Olsen
Kalin Myers
Kevin Lacjak
Mathew Marquez

SAE International

ME16: STEP - Stepper Testing Environment for Performance

Garrison Nazare
Andrew McCoy
Aaron Elsen
Cooper Kramis
Max Goldmann
Anthony Makuch

Blue Canyon Technology

ME17: Trans-Canal Endoscopic Cochlear Implantation Instrument

Kai Groudan
Annie Deschane
Brian Ahn
Emma Nicolaou
Isaiah Straubel
Kelly Smith
Matthew Cervino
Nathan Rhodes
Shannon Blanco

Children's Hospital Colorado

ME18: Granular Flow Laboratory Project

Yousef Almohsen
Phoenix Valadez
Maxwell Van Cleave
Luis Colon-Acosta
Cameron Hoffman
Frank Rogina

Dr. Nathalie Vriend

ME19: Adapting the IEQmax to Agricultural Environments

Cecelia Shoenfeld
Clemens Pacher-Theinburg
Jordan Naim
Nicholas Alonzi
Christian Amador

IEQmax

Mechanical Engineering (ME)

ME20: RAPID – Radiographic Automated Positioning for Imaging Deployment Automated Radiographic Panel Positioner

Kyle Varra
Jakson Praeger
Luca Voeller
Thomas Montgomery
Benjamin Green
Daphne Felt
Bella Wolf
Dylan Mills
Mateo Medellin

Los Alamos National Laboratory

ME21: Unique Signal Interlock

Dylan Whitesell
Zachary Broderick
Tyler Lloyd
Garrett Jimenez
Brian Ortiz
Spencer Needle
Tay Cummins

Los Alamos National Laboratory

ME22: Tubeless Monopolar Smoke Pencil Attachment

Emme Larsen
Hale Burke
Annie Ward
Hunter Thammavong
Maggie Leahey
Julia Rabelas
Riley Dressel

Medtronic

ME23: Ultra-Wideband Blade Tip Deflection Measurement System

Amy Seier
Blake Maly
Milo Beall
Blake Martinez
Al-Khalil Al-Habsi
Christopher Brown
Abdullah Al Abri
Jackie Padilla

Siemens Gamesa Renewable Energy

ME24: Space Vehicle Fuel Gauge

Finn Remias
Jeremy Simoes
Emma Davis
Joecleyn Lafyatis
Duncan Laird
Wren Taylor
Min Than
Mackenzie Sievers

Sierra Space

ME25: Robot for Dynamic Satellite Simulation

Andy Sultan
Emmett Carpenter
Carter Sheplee
Evan Gassiot
Matthew Regier
Jonathon Lunney
Alex Livingston
Erik Sorenson
Alex Jessop
Alex Mueller

Sierra Space

ME26: TB2 Aerospace Fuel Pods

Kendall Taulbe
Joe Murtagh
Oliver Barwell
Dylan Johnson
Zachary Leaf
Bryan Moreno
Douglas Snow
Jack Townsend
Henry Hummel

TB2 Aerospace

Mechanical Engineering (ME)

ME27: Automated Medical Aliquoting Device

Ana Valeria Quiñonez Espinoza

Lia Chiara Cucuzzella

Samantha Shaw

Zachary Goldberg

Andrew Hill

Zhixing 'Antonio' Li

Milo Ostwald

Terumo Blood and Cell Technologies (BCT)

ME28: Locomotive Gear Oil Monitoring

Emilio Cummings Pizzuto

Joaquin Perez De Soly

Grant Thompson

Mateo Esteve

Kesav Abhilash

Michael Rowse

Zach Raileanu

Wabtec

ME29: CU Hydropower Collegiate Competition Team Closed-Loop Pumped Storage Facility

Miles Salzer

Sascha Fowler

Patrick Liu

Charlie Loewenguth

Landon Natrass

Jack Printup

Maximilian Schmid

Pisay Suzuki

Tristan Wrable

Luke Shaw

Sara Leschova

Department of Energy

ME30: CU Wind Team DOE Collegiate Wind Competition

L. Quinn Gossett

Anoothi Narayan

Evan Steinmetz

Ben Partee

Simon Abrahamse

Ella Wlodarczyk

Andrew Palmer

Bellamy Weibel

Nile Brown

Arturo Errejon

Camille Thompson

Isabel Lopez

Department of Energy

Collegiate Wind Competition

ME40: SmokeCloak

John Lamb

Cristina Flores

Kate French

Eli RosenDavid Ford

Owen Sprod

TrailBlaze Technologies

ME41: Team 41 The Roof Raiser

Christopher Wachuta

Jacob Termin

Boston Abrams

Vincent Tang

Dax Lukianow

Nathanael Lee

Roof Raisers

ME42: BinOne

Tyler Smith

Sara Oza

Sriya Kasu

Jackson Simon

Christopher Steinsberger

Lucas Tadesse

Demeter Renewable Technologies

ME43: GrassGuard

Thomas Garcia

Nick Chiccarin

Adin Barnes

Robert Wang

Basile Lam

Will McMann

WaterWise

ME44: Cacao Aura

Riley Apen
Helena Ostaszewski
Araz Ordubadi
Franck Porta
John Smith
Jessica Bontemps

Rezatherm

**ME51: Flexilis: Deformable
Surgical Needle and Introducer**

Aryan Gandhi
James O'Connell
Bradley Gryder
Om Jadhav

**Regents of the University
of Colorado**

**ME52: Free Piston
Linear Generator**

Shounak Bhattacharya
Woodward

**ME53: Team Hydrogen
Fuel Cell Rig**

**Hydrogen Fuel Cell
R&D Test Rig**

Sylvester Francis
Shreyas Deshpande
Keith Hemenway
Nainesh Anil Lad

Woodward, Inc.

ME54: Freedom Seat

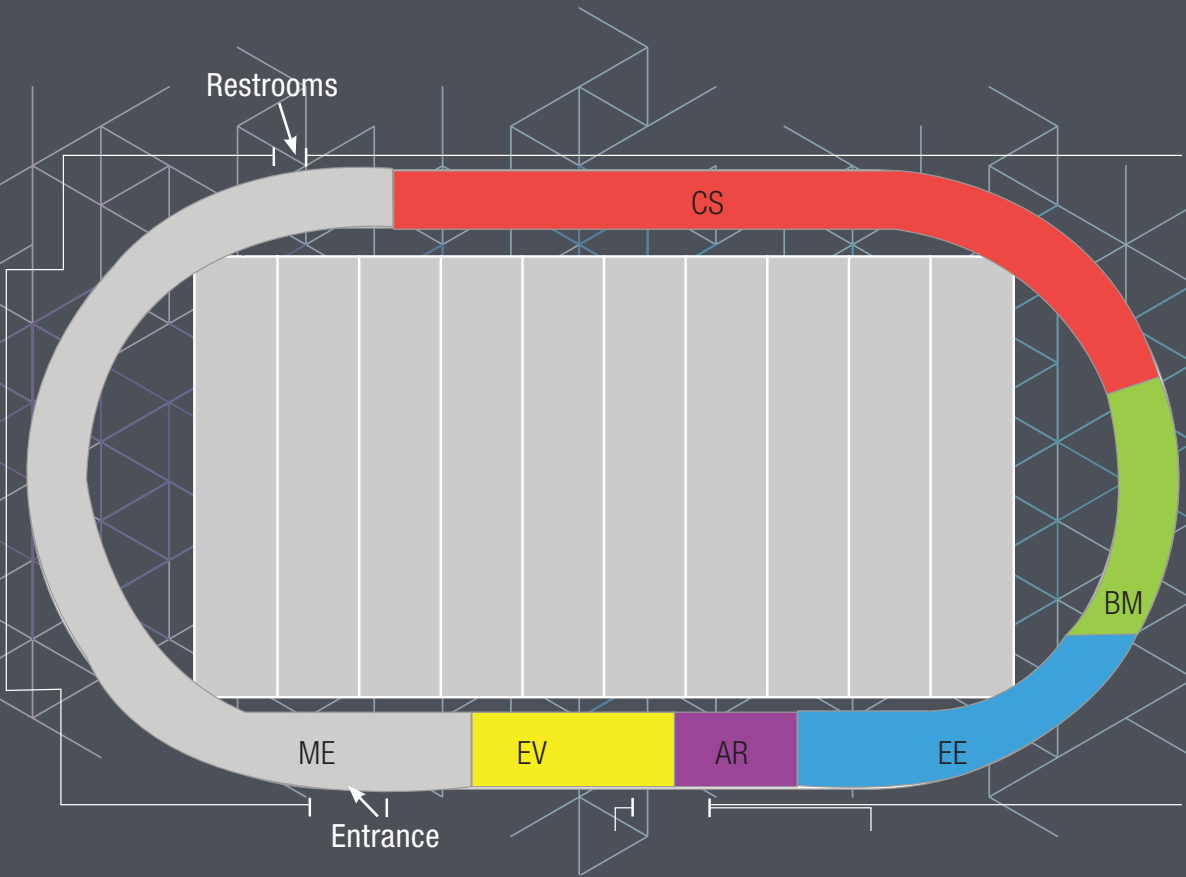
Allister James Sequeira
Carlota Serrano
Antonio Ruan
Pawan Shankar Sawant
Luke Sanford

Molon Labe Seating







**ME55: Remote Sensing
in Space**

Nikolas Conmy
Liam Somers
Benjamin Erickson

Sierra Space



Departments

- | | | | |
|---|--------------------------------|---|--|
|  | Biomedical Engineering (BM) |  | Electrical, Computer & Energy Engineering (EE) |
|  | Architectural Engineering (AR) |  | Environmental Engineering (EV) |
|  | Computer Science (CS) |  | Mechanical Engineering (ME) |



College of Engineering
& Applied Science

UNIVERSITY OF COLORADO BOULDER