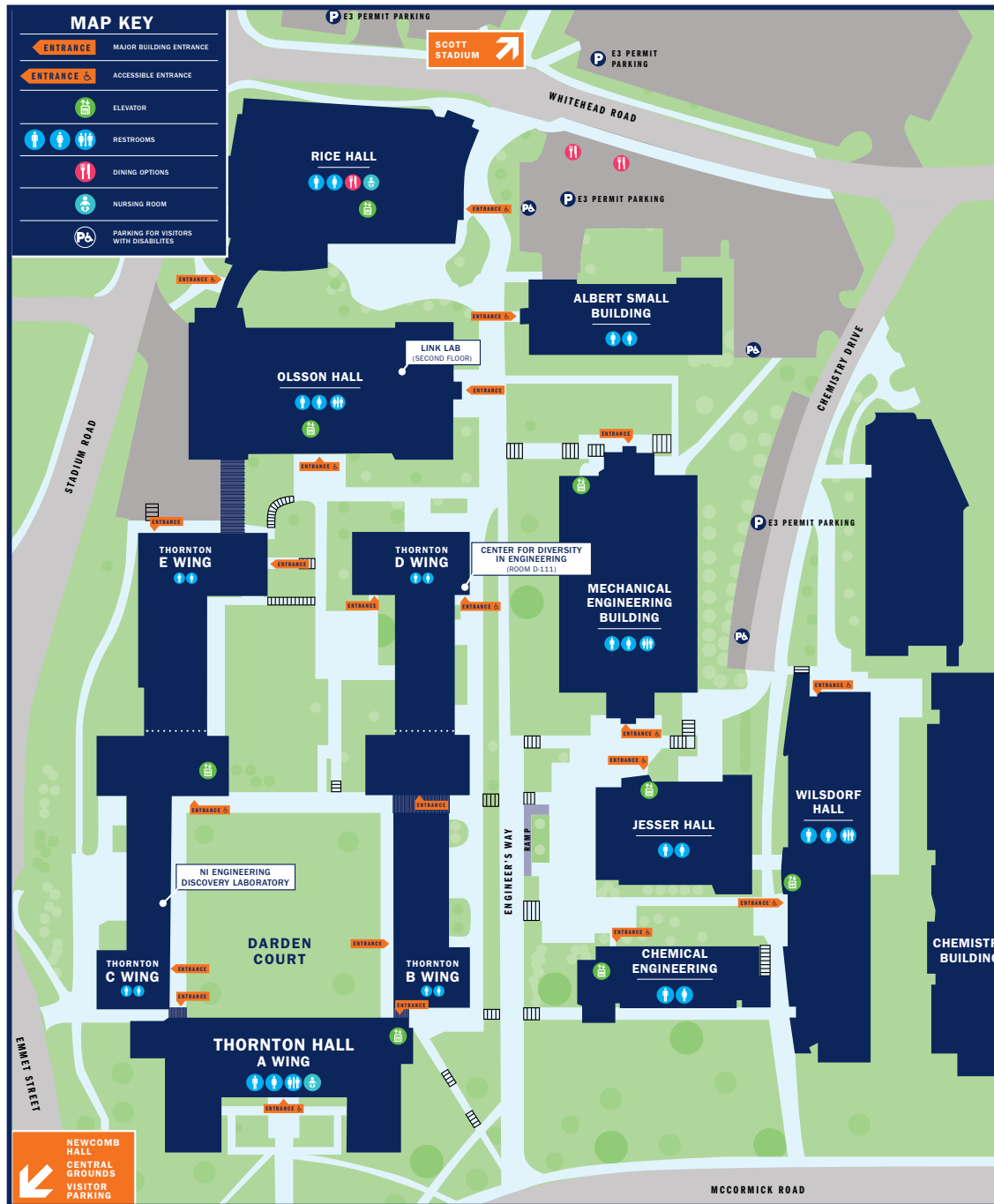


# Welcome to UVA Engineering!



## Parking

Engineering Open House participants can park for free in the E3 lots at the top of this map. There may be fees or permitting requirements for other University parking areas.

## Dining Options

Food trucks will be located in the E3 lot next to the Albert Small Building. Einstein's Bagels in Rice Hall will also be open for the event. All orders must be placed using the GrubHub mobile app.

Visit [www.thecorneratuva.com/food-drink](http://www.thecorneratuva.com/food-drink) for more options.

# Must See Events:

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## Dean's Welcome

11 a.m. – noon and 3 – 4 p.m. / Chemistry Building Auditorium / Engineering Dean Jennifer L. West and UVA Admissions Representative

**Please note: The presentation content will be identical. There is no need to attend both sessions.**

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## Tours

### Engineering School Tours

1 p.m., 1:30 p.m., 2 p.m., 2:30 p.m., 3 p.m. (Tours Approx. 45 Minutes Each) / Meet in Front of Thornton Hall on the Entry Plaza Facing McCormick Road / Led by Engineering Student Guides

### University Tour

2 p.m. / Meet in Front of Thornton Hall on the Entry Plaza Facing McCormick Road / Led by the University Guide Service

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# Options to Explore:

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## APPLIED MATHEMATICS

### Applied Math Q&A Session with Professors

12:30 p.m. – 4 p.m. / Albert Small Building Room 112 / Profs. James Lark, Deep Maiti and Farzad Dizaj

### Applied Math Q&A Session with Teaching Assistants and Senior Students

12:30 p.m. – 4 p.m. / Albert Small Building Rooms 108 and 112 / Matthew Nguyen, Radha Patel, Mitchell Swartz, Josiah Martin, Maggie Collins, Caleb Whites

### Why Applied Mathematics is Important to Engineers (Multiple Sessions)

1:30 p.m., 2 p.m., 2:30 p.m., 3 p.m. / Albert Small Building Room 112 / Prof. Nethali Fernando

### Math Game

1 – 3 p.m. / Albert Small Building Room 108 / Prof. Heze Chen

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## BIOMEDICAL ENGINEERING

### Welcome to the IDEAS Lab

11 a.m. – 4 p.m. / Thornton Hall A-Wing Room 006 (BME IDEAS Lab) / Professors and Current Students

### Biomedical Engineering at UVA

1 – 1:25 p.m. / Chemistry Building Auditorium / Department Chair Shayn Peirce-Cottler, Faculty Undergraduate Director Shannon Barker

### BME Q&A

1:30 – 2 p.m. / Chemistry Building Auditorium / Department Chair Shayn Peirce-Cottler, Faculty Undergraduate Director Shannon Barker, Current Students

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## CENTER FOR DIVERSITY IN ENGINEERING

### Meet & Greet with the CDE

11 a.m. – 4 p.m. / Engineer's Way Outside of Thornton Hall D-Wing (Inclemer Weather Location: Thornton Hall D-Wing Room 111) / James Bland, Director, Center for Diversity in Engineering, with Staff and Students

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## CENTER FOR ENGINEERING CAREER DEVELOPMENT

### Drop in for a Welcome and Overview

10:45 a.m. – 1:45 p.m. / Thornton Hall A-Wing Room 114 / Julia Lapan, Associate Director & Career Coach, Center for Engineering Career Development

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## CHEMICAL ENGINEERING

### Meet and Greet:

#### Chemical Engineering Clubs, Research and Design

12:30 p.m. – 4 p.m. / Chemical Engineering Building Atrium / Chemical Engineering Faculty and Students

#### Life as a Chemical Engineer: Engineering Molecular & Biomolecular Change (Multiple Sessions)

1 p.m., 2:30 p.m. / Chemical Engineering Building Room 005 / Associate Professor Geoff Geise

#### How You Become a Chemical Engineer: Undergraduate Teaching Laboratory

12:45 a.m. – 4:00 p.m. / Wilsdorf Hall Room 301 / Profs. Eric Anderson, George Prpich and Fourth-Year Students

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## CIVIL ENGINEERING

### Civil Engineering Program Information and Q&A (Two Sessions)

12:30 – 1:30 p.m. and 3 – 4 p.m. / Olsson Hall 120 / Associate Professor Teresa Culver

### Immersive Construction Site Exploration (Interactive Hands-On Demonstration)

1 – 4 p.m. / Olsson Hall 104 / SKANSKA

### Water Purification for our Global Community (Interactive Hands-On Demonstration)

1 – 4 p.m. / Thornton D013 / Jim Smith

### Earthquake Simulation (Interactive Hands-On Demonstration)

1 – 4 p.m. / Thornton D001 / Zhidong Zhang & Maral Zhiyanpour

### Road Safety Through Virtual Reality (Interactive Hands-On Demonstration)

1 – 4 p.m. / Thornton D107 / Arman Hosseini & Dong Chen

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## COMPUTER SCIENCE

### Computer Science Overview and Q&A (Multiple Sessions)

12:30 p.m., 2 p.m., 3 p.m. / Rice Hall Auditorium (Room 130) / Department Chair Sandhya Dwarkadas and Faculty

### Computer Science Groups and Lab Demos

12:30 p.m. – 4 p.m. / Rice Hall Davis Commons (First Floor) / Undergraduate and Graduate Students

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## ELECTRICAL AND COMPUTER ENGINEERING

### Welcome and Overview with Q&A

12:30 – 1:30 p.m. / Thornton Hall A-Wing Room 120 / Professors Keith Williams and Mircea Stan

### Faculty and Student Demos and Q&A

1 – 4 pm/ NI Engineering Discovery Lab / ECE Faculty and Students

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## ENGINEERING AND SOCIETY

### Engineering and Society Overview

12:30 – 2:30 p.m. / Thornton Hall D-Wing Room 223 / Assistant Professor Ben Laugelli

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## LINK LAB FOR CYBER-PHYSICAL SYSTEMS

### Do You Want to Experience Automated Driving? Human-in-the-Loop Cooperative Driving Automation

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 201 / Prof. Brian Park and Graduate Students Haoji Liu, Zeyu Mu

### F1 Race Car Simulator

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 201/ Prof. Madhur Behl

### F1/10 Cavalier Autonomous Racing – Pushing the Limits of Autonomy

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 203 / Prof. Madhur Behl and Graduate Students David Xiang and Siddharth Lakkoju

### CPR Quality

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 203 / Prof. Jack Stankovic and Graduate Student Lahiry Wijayasingha

### Upper Extremity Examination for Neuromuscular Disorder

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 203 / Prof. Laura Barnes and Graduate Student Arafat Rahman

### Cognitive EMS: A Cognitive Assistant for Emergency Medical Services

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 211 / Prof. Homa Alemzadeh and Graduate Students Keshara Weerasinghe and Xueren Ge

### Evaluating Technology to Improve Tactile Navigation & Communication

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 201 / Prof. Matthew Bolton and Graduate Student Giovanna Cama

### Minimally-Invasive Robot-Assisted Surgery: Simulation and Training

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 260 / Prof. Homa Alemzadeh and Graduate Students Hamid Reza Roodabeh and Zoey Li

### VA Burst

12:30 – 4 p.m. (Ongoing Demo) / Link Lab, Olsson Hall 217 / Gavin Miller and Prof. Tomonari Furukawa

### MARS

12:30 – 4 p.m. / Engineer's Way / Swedha Skandakumar and Prof. Tomonari Furukawa

### Hoos Flying

12:30 – 4 p.m. / Engineer's Way / Sean Jolly and Prof. Tomonari Furukawa

### Virginia Motorsports

12:30 – 4 p.m. / Engineer's Way / David Mead and Prof. Tomonari Furukawa

### CavSat

12:30 – 4 p.m.) / Link Lab, Olsson Hall 217 / Kellylyn Brinkac and Prof. Tomonari Furukawa

### Rocketry

12:30 – 4 p.m. / Engineer's Way / Rishab Gopiseti and Prof. Tomonari Furukawa

### Autonomous Campus Vehicle

12:30 – 4 p.m. / Engineer's Way / Santiago Merida and Prof. Tomonari Furukawa

### Autonomous Maritime Vehicle

12:30 – 4 p.m. / Engineer's Way / Connor Lyons and Prof. Tomonari Furukawa

### Autonomous Multirotor Drone

12:30 – 4 p.m. / Engineer's Way / Matthew Kuzjak and Prof. Tomonari Furukawa

### Hybrid Humanoid Robot

12:30 – 4 p.m. / Link Lab, Olsson Hall (in front of Room 256) / Austin Davis and Prof. Tomonari Furukawa

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## MATERIALS SCIENCE AND ENGINEERING

### Materials Science Fair and Expo

12:30 – 4 p.m. / Wilsdorf Hall Atrium / Materials Science Students and Faculty

### It's a Materials World (Multiple Sessions)

1 p.m., 2 p.m., 3 p.m. / Wilsdorf Hall Room 101 / Faculty Share How Materials and Materials Scientists, Enable Almost All Other Technologies / Profs. Kory Burns, Jerry Floro and Ji Ma

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## MECHANICAL AND AEROSPACE ENGINEERING

### Introduction to Mechanical Engineering and Aerospace Engineering (Two Sessions)

12:30 – 12:45 p.m. and 1:15 – 1:30 p.m. / Mechanical Engineering Building Room 205 / Professor and Chair Rich Kent

### Mechatronics Lab (Multiple Sessions)

12:30 – 4 p.m. (Every 30 Minutes) / Mechanical Engineering Building Room 204 / Prof. Gavin Garner

### Flight Simulator (Multiple Sessions)

12:30 – 4 p.m. (Every 30 Minutes) / Mechanical Engineering Building Room 209A / Miles Beam, Chris Recuperio, Jacob Lewis, Saad Fayyaz, Lesly Veizaga

### Spacecraft Design (Multiple Sessions)

12:30 – 4 p.m. (Every 30 Minutes) / Mechanical Engineering Building Room 213 / Prof. Chris Goyne with Michael Mcpherson, Daniel Tohti, Aaron Osborne and Aiden Ogle

### Mechatronics and Robotics Society (Multiple Sessions)

12:30 – 4 p.m. (Every 30 Minutes) / Mechanical Engineering Building Room 206 / Madelyn Khoury, Connor Lyons, and Jordan Ho

### Assistive Robot Exoskeletons

12:30 – 4 p.m. (Every 30 Minutes) / Mechanical Engineering Building Room 213 / Prof. Sarah Sun and Senior Capstone Design Teams

### Design of Bio-Inspired Underwater Robots (Multiple Sessions)

12:30 – 4 p.m. (Every 30 Minutes) / Mechanical Engineering Building Room 214 / John Kelly, Alec Menzer, Zihao Huang, J Guo

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## SYSTEMS ENGINEERING

### Systems Engineering Program Information and Q&A (Two Sessions)

12:30 – 1:00 p.m., 2:30 – 3:00 p.m. / Olsson Hall 018 / Undergraduate Students and Prof. Robert Riggs

### Drop-In Q&A Session with Systems Engineering Students

1:00 p.m. – 2:30 p.m. / Olsson Hall 018 / Systems Engineering Undergraduate Students

### Collaborative Robotics Lab Demo

1:00 p.m. – 2:30 p.m. (Demos Every 15 Minutes) / Rice Hall 024 / Prof. Tariq Iqbal and Students

### Autonomous Mobile Robots Lab Demo

1:00 p.m. – 2:30 p.m. (Demos Every 15 Minutes) / Rice Hall 028 / Prof. Nicola Bezzo and Graduate Students

# UVA Engineers Make the World a Better Place



Engineering makes the world a better place, and UVA Engineers do this by focusing on impact. At UVA Engineering we improve healthcare outcomes, create a more sustainable world, navigate the cyber future, and build an inclusive engineering community.

Join our community. **Become a UVA Engineer.**



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