



UBC Okanagan Engineering Open House

November 2, 2024

Your future starts here.

Discover the future that awaits you when you study engineering at one of Canada's top schools.

Our Open House introduces you to what UBC Okanagan Engineering offers students like you: people who want to design, develop and create something new. People who want to use their knowledge to improve lives and solve some of our world's most complex challenges.

Tour our buildings and labs, talk with students and faculty, and get your questions answered. During your visit, you can learn about:

- [our 5 engineering programs](#)
- [student life](#)
- [co-op and other work experience](#)
- [opportunities to study and work internationally](#)
- [extracurriculars and clubs](#)
- [student Engineering Design Teams](#)

START EXPLORING - OPEN HOUSE AGENDA:

[Welcome & Check in](#) 9:45am - 10:00am

The Commons (COM) Foyer, Outside COM 201

Meet with Engineering Advisors and current engineering students before the "UBC Engineering 101" session.

[UBC Engineering 101](#) 10:00am - 11:00am

The Commons (COM) 201

Learn all about the Engineering Programs offered at the UBC Okanagan Campus, how to apply to UBC Okanagan and hear current students share their experiences and advice.

[Program Fair](#) 11:00am - 2:00pm

Engineering Management Education (EME) Building

Visit all our academic departments and programs and talk to faculty/staff and current students.

[Student Experience Fair](#) 11:00am - 2:00pm

Engineering Management Education (EME) Building

Engineering Design Teams & clubs are one of our best assets. Come check out their amazing creations and what they do!

[Campus Tours - Registration Required](#) 11:30am - 12:30pm or

EME Building 12:30pm - 1:30pm

One-hour walking tour of the UBC Okanagan campus guided by friendly and knowledgeable student ambassadors. Visit a residence, library, and some recreational and social facilities.

[Lab Tours - Registration Required](#) 11:30am - 2:00pm

Engineering Management Education (EME) Building

Register for 1 of 5 lab tours and discover the innovative research being conducted by faculty and students.

[Drop-in Lab Tours](#) 11:30am - 2:00pm

Engineering Management Education (EME) Building

Explore our civil engineering structures lab and Makerspace.

[Autonomous Vehicle Workshop](#) 11:30am - 12:15pm or

EME Building 1:00pm - 1:45pm

Embark on a fascinating journey through the world of autonomous vehicles in this interactive session that will demystify the complex technology behind them. Ignite your curiosity about the technology shaping the future of transportation.

[Chat with an Engineering Student \(Drop-in\)](#) 11:30am-2:00pm

Engineering Management Education (EME) Building

Come chat with our engineering undergraduate students to learn about their experiences at UBCO!

View the agenda online [here](#).

UBC Okanagan Engineering Open House

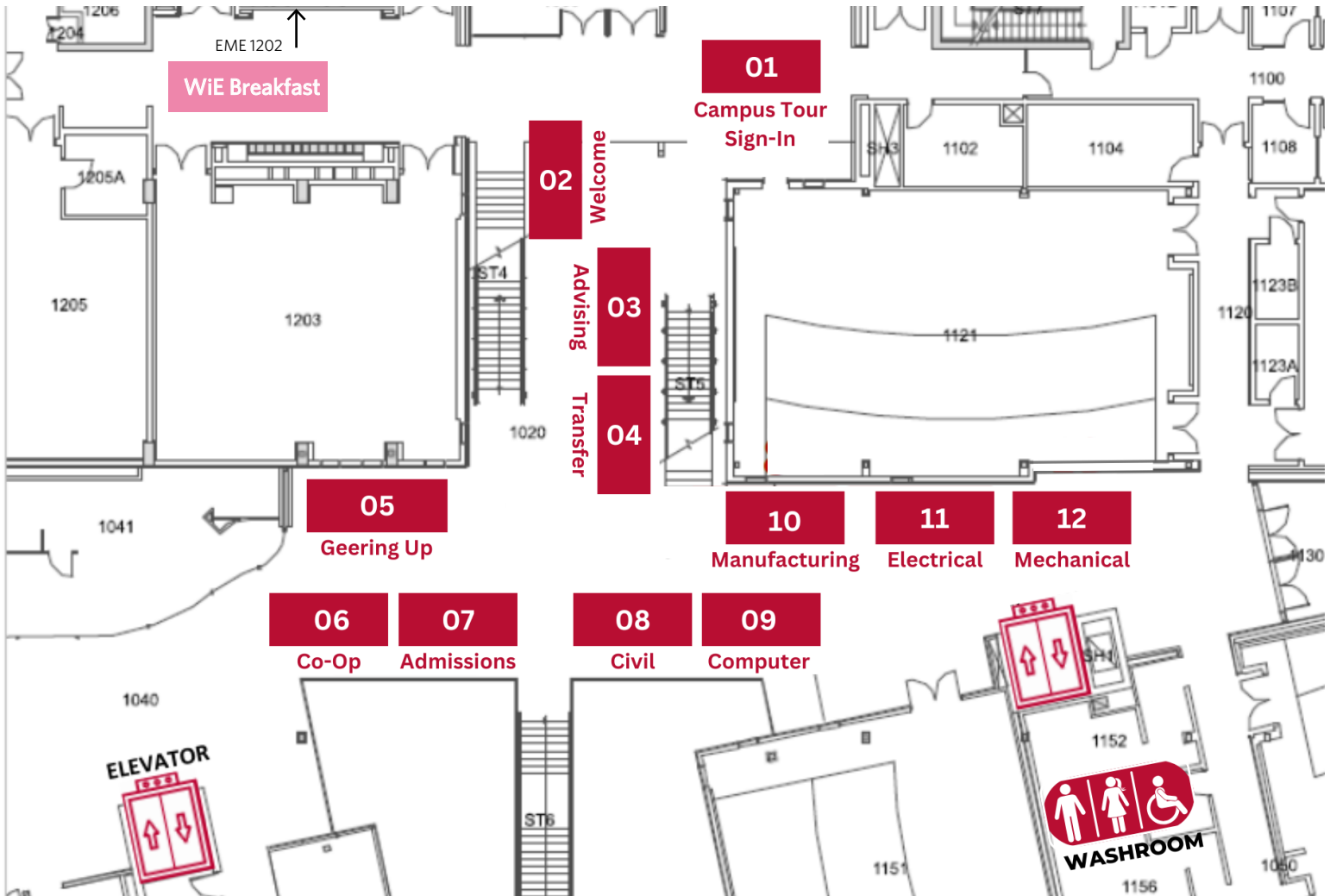
Discover the potential of engineering and discover your potential to make a difference.

A PROFESSIONAL DEGREE FOR THE FUTURE

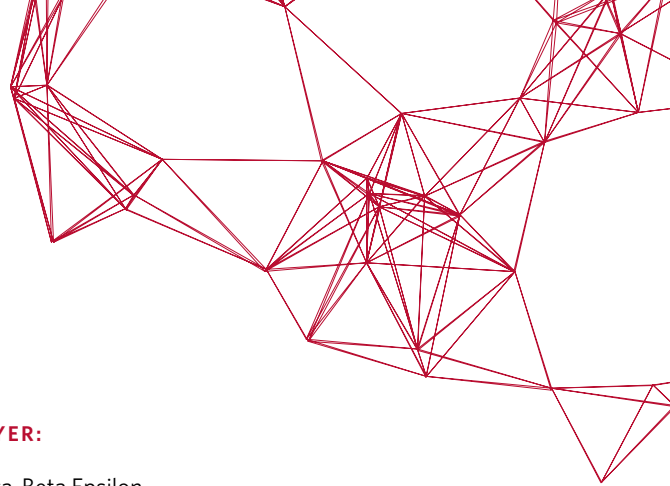
Come talk with faculty members, staff and students at our Program and Student Experience Fair. This is a great opportunity to learn more about the wide range of engineering programs offered at UBC Okanagan and discover some of the career pathways available with a degree in engineering.

PROGRAM FAIR BOOTH LOCATIONS EME 1ST FLOOR (UPPER) FOYER:

- | | |
|-------------------------------|------------------------------|
| 1 Campus Tour Sign-in | 10 Manufacturing Engineering |
| 2 Welcome & Information Booth | 11 Electrical Engineering |
| 3 Academic Advising | 12 Mechanical Engineering |
| 4 Transfer Pathways | |
| 5 Geering Up | |
| 6 Co-op | |
| 7 Admissions | |
| 8 Civil Engineering | |
| 9 Computer Engineering | |

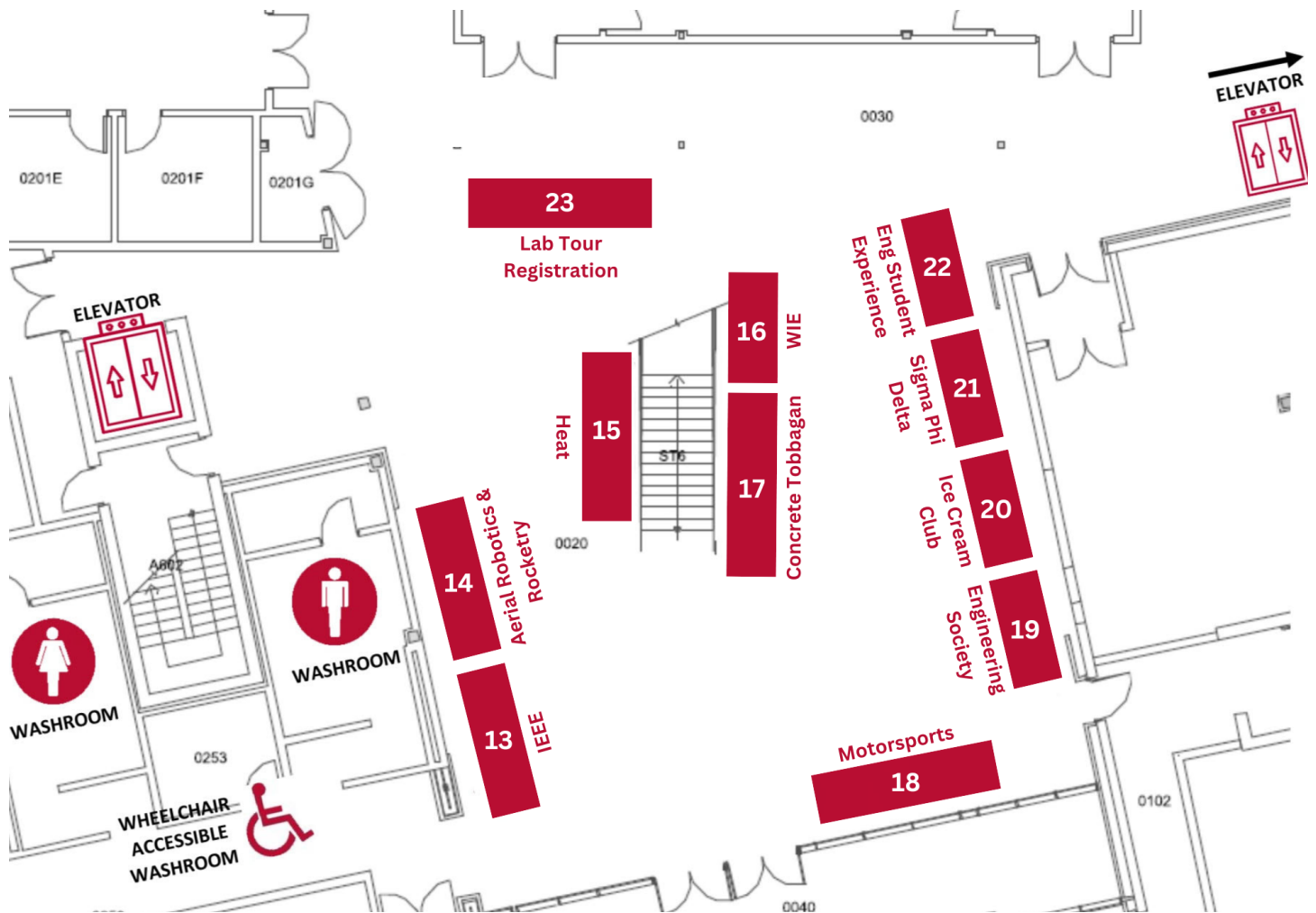


UBC Okanagan Engineering Open House



STUDENT EXPERIENCE FAIR BOOTH LOCATIONS EME 0 FLOOR (LOWER) FOYER:

- 13 Institute of Electrical and Electronics Engineers (IEEE)
- 14 Aerial Robotics & Rocketry Club
- 15 Heat Athletics and Recreation
- 16 Women in Engineering (WIE)
- 17 Concrete Toboggan
- 18 OK Motorsports
- 19 Engineering Society
- 20 Ice Cream Club
- 21 Sigma Phi Delta-Beta Epsilon
- 22 Engineering Student Experience
- 23 Lab Tour Registration



Most of our building entrances are accessible, but you can also map out an accessible route using [UBCOs Wayfinding website \(maps.ok.ubc.ca\)](http://maps.ok.ubc.ca)



THE UNIVERSITY OF BRITISH COLUMBIA

School of Engineering

Faculty of Applied Science
Okanagan Campus

UBC Okanagan Engineering Open House

Engineers are changing the world – designing the products, processes and technologies that are building a better future.

LABS AND DEMONSTRATIONS

Register for a lab tour to explore some of our world-class lab spaces and see engineering in action! Drop-in on our Makerspace or civil engineering structures lab - no registration required.

LAB TOURS (Registration Required) 12:00pm - 1:30pm

Computer Engineering | Communications Theory Laboratory

Why does a scratched Blue-ray disc work?

In this lab, students will learn how Gigabits can be stored in a memory device or communicated over a wire without errors through cool mathematics tricks!

Electrical Engineering | Collier Research Group

Optics and fluidics, the very fast and the very small

In this lab students work with micron-scale devices to measure contaminants in fluids and materials.

Manufacturing Engineering | Undergrad Manufacturing Laboratory
Cyber Physical Learning Factory

A small scale factory mimics a cell phone assembly process in this lab. Students use this factory to learn about and design automated systems. The factory contains state-of-the-art sensors and controller technology to prepare students to work in industries such as advanced manufacturing, food & beverage, automobile, and many others!

Civil Engineering | Advanced Geomaterials Research Laboratory
Carbon Capture Technology for Future Constructions

In this lab, students will work with industry waste residues, soil and concrete. They develop waste to value-added materials for sustainable construction and environmental protection

Mechanical Engineering | Heart Valve Performance Laboratory
Engineering the Future of Medicine: Inside the Lab of Cutting-Edge Medical Device Development.

In this lab, students integrate mechanical and electrical engineering expertise to address biological challenges. From design and fabrication to testing, every step is carried out in-house, driving the development of next-generation medical devices.

LAB DROP-INS (NO Registration Required) 11:30am-2:00pm

Civil Engineering Lab (EME 0256)

Learn about current civil engineering research such as the construction of greener structures that are resilient to natural disasters, smart materials and their structural applications and how undergraduate students can get involved!

UBC Okanagan School of Engineering Open House

Campus Tours, Lab Tours and Lab Tour Drop-ins

LOCATION:	CAMPUS TOURS*	LAB TOURS* REGISTRATION REQUIRED	LAB DROP-INS NO REGISTRATION REQUIRED
	EME 1101 Check-in	EME 0 Floor Foyer Check-in	EME 0256 EME 1256
9:45 AM			
10:00 AM			
10:30 AM			
11:00 AM			
11:30 AM	CAMPUS TOUR 1		Civil Engineering Lab: [Drop-in] 11:30am-2pm No Registration Required Learn about innovative civil engineering research and how undergraduate students get involved!
12:00 PM	CAMPUS TOUR 2	Computer Electrical Manufacturing Civil Mechanical	
12:30 PM	CAMPUS TOUR 3	Computer Electrical Manufacturing Civil Mechanical	
1:00 PM		Computer Electrical Manufacturing Civil Mechanical	Makerspace Lab [Drop-in] 11:30am-2pm No Registration Required Learn about our 3D Printers, 3D Scanners, CNC Carvers, Robotics equipment & More!
1:30 PM			
2:00 PM			

*Registration for Lab Tours and Campus Tours is required. Day of registration will be available on a first come first serve basis.

LAB DROP-INS (cont'd)

Makerspace Lab (EME 1256)

Makerspace UBCO is a place to encourage design thinking, prototyping, and testing and will serve as a hub for innovation, cross-discipline and cross-sectoral collaboration and entrepreneurship for members of the UBC Okanagan campus. Learn about our 3D Printers, 3D Scanners, 3D Pens, CNC Carvers, Robotics equipment & more!

Experience life at a global top 50 university. Get a feel for UBC by going on a guided campus tour.

CAMPUS TOURS (Registration Required)

11:30am-12:30pm & 12:30pm-1:30pm

One-hour walking tour of the UBC Okanagan campus which will be guided by friendly and knowledgeable student ambassadors. You will have a chance to visit a residence, library, and some recreational and social facilities. You can also learn more about all of the on-campus services available to students.



THE UNIVERSITY OF BRITISH COLUMBIA

School of Engineering

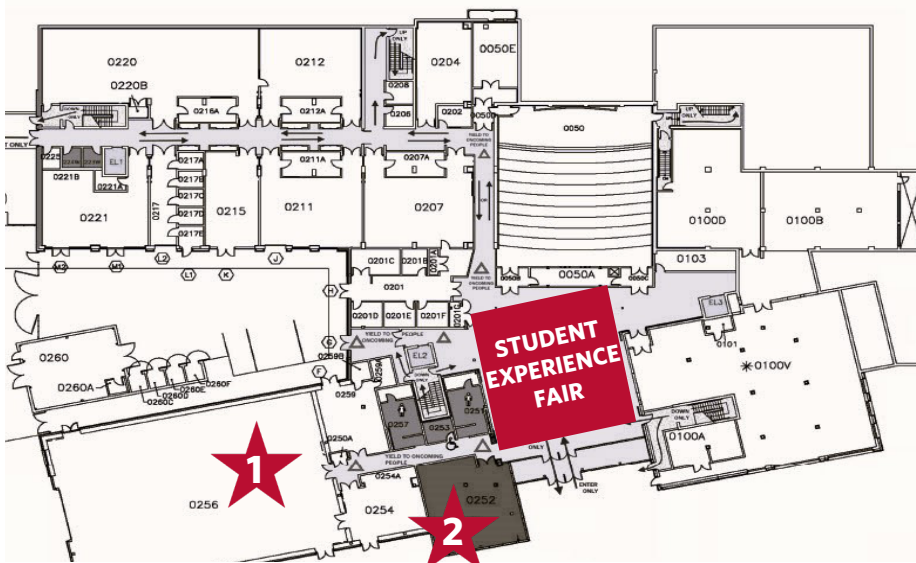
Faculty of Applied Science
Okanagan Campus

ENGINEERING.OK.UBC.CA

UBC Okanagan Engineering Open House

Explore our drop-in sessions and interactive workshop.

Talk with faculty and current students about the innovative research being done everyday in our state-of-the-art facilities and experience an engineering lecture on autonomous vehicles.

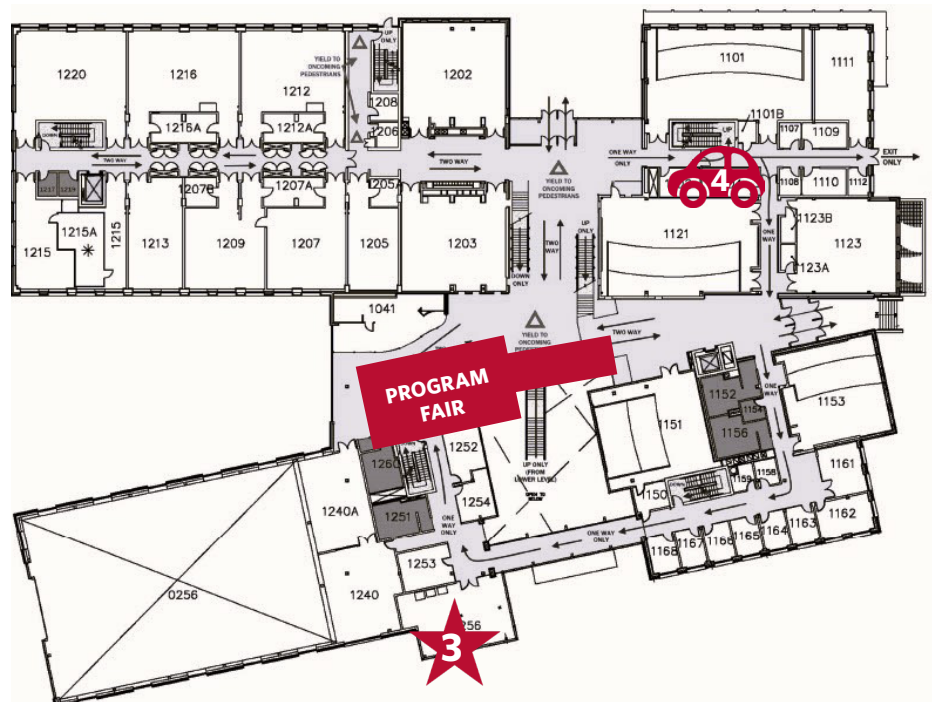


DROP-IN LAB LOCATION (EME LOWER FOYER):

1 Civil Engineering Lab (EME 0256)
11:30am - 2:00pm

CHAT WITH AN ENGINEERING STUDENT LOCATION (EME LOWER FOYER):

2 Chat with an Engineering Student (EME 0252)
11:30am - 2:00pm



DROP-IN LAB LOCATION (EME UPPER FOYER):

3 Makerspace (EME 1256)
11:30am - 2:00pm

AUTONOMOUS VEHICLE WORKSHOP LOCATION (EME UPPER FOYER):

4 Autonomous Vehicle Workshop (EME 1121)
11:30am - 12:15pm & 1:00pm - 1:45pm

UBC Okanagan Engineering Open House

Ready to get started? Check out the links below to learn more about admissions and the application process, and to get inspired by all that is offered at UBC Okanagan Engineering.

ADMISSIONS

Find out about admissions requirements for [high school students](#) or [transfer students](#)

APPLY

Learn about the [application process](#) and [deadlines](#)

EXPLORE

Learn more about the [five Engineering programs](#) at UBC Okanagan.

Watch our videos from our [Virtual Open House](#)

Read about our [incredible students and alumni](#)

Find the [design team](#) of your dreams

JOIN US

We hope you'll join us on campus in September 2025!

Until then, stay up to date with the latest by following Engineering Stories on [YouTube](#), [Instagram](#) and [TikTok](#).

Subscribe for updates by signing up for our [Email list](#).

