

ENGINEERING



VITERBI EXPO



USC
Viterbi
School of Engineering

November 23, 2014
Ronald Tutor Hall

Welcome to the USC Viterbi School of Engineering

Today is your day to learn as much as you possibly can about the USC Viterbi School of Engineering.

There's a lot to see (and a lot to do)!

Lab Tours will depart from Bloom Walk on the north side of Ronald Tutor Hall (Be sure to grab your tickets early). Some labs in the building will be open throughout the afternoon as open houses and are scattered throughout the building. Micro-Seminars will take place at scheduled times and rooms on the first and second floors. Student organizations and Design Teams are showing off their projects and accomplishments as part of a fair on the first and second floors. To top it all off, our Student Affairs staff are on the first floor to talk to you about the Viterbi Programs we manage.

Who needs selfies?

The Photo Booth is ready for you and your friends or family to flash those pearly-whites! Take home a souvenir and share those smiles on social networks.

Want to talk about something?

Get your questions answered by an admission counselor near the staircase on the first floor. Whatever your questions are - we can help!

Hungry?

Enjoy a snack, beverage or your favorite coffee drink from our cafe on the first floor in your free time.



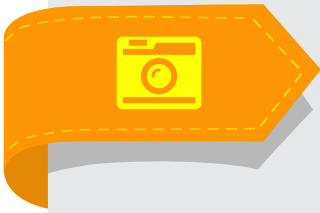


PHOTO BOOTH

Get your friends and family together for a quick stop at the **#ViterbiEXPO** Photo Booth on the first floor!

Take home your own prints and make your friends jealous by sharing to your social media feeds.

STUDENT GROUPS

Meet a ton of students as they represent their organizations and discuss projects on which they are currently working.

1st FLOOR

3D4E (3D Printing For Everyone)
American Society of Civil Engineers
Associated Students of Biomedical Engineering
Earthquake Engineering Research Institute
Engineers Without Borders
KIUEL Programming Committee (KPC)
National Society of Black Engineers
Society of Hispanic Professional Engineers
Society of Women Engineers

South Patio

Autonomous Underwater Vehicle Design Team
SC Racing (Formula SAE)**
Rocket Propulsion Laboratory**

2nd FLOOR

AeroDesign Team
American Institute of Chemical Engineers
Association for Computing Machinery
Business Technology Networking Group
Girls in Tech
HackSC
Institute of Electrical and Electronics Engineers (IEEE)
Institute of Industrial Engineers (IIE)
LavaLab
Society of Petroleum Engineers
SparkSC
Women in Computing
USC Aerial Robotics

*** Tours of team facility depart from group's table every 30 minutes*

VITERBI PROGRAMS

Admission, Undergraduate Programs, Academic Advising, Student Support Programs, the Center for Engineering Diversity and Women in Engineering.

In addition to students and faculty, we have a number of our professional staff here to answer your questions. Find Admission on the first floor, near the main staircase while our Student Affairs staff will be in RTH 110.

MICRO SEMINARS

Be sure to attend the micro-seminars discussing some of our co-curricular programming and engagement opportunities. Seminars start at 1:30 and 2:30



#Viterbi**INNOVATION**

Research and Engineering are inherent in entrepreneurship. Join a panel of students involved in a number of entrepreneurial efforts and undergraduate research as they discuss the new technologies and ideas they may introduce to the marketplace soon.

SECOND FLOOR

IN RTH 211 @

1:30 | 2:30



#Viterbi**CAREERS**

What will you do after college? Join representatives of our Career Connections staff, Graduate School Admission staff, and a few recent alumni to discuss your future and how we prepare students for their life after undergrad.

FIRST FLOOR

IN RTH 109 @

1:30 | 2:30



#Viterbi**ABROAD**

Meet engineering students who have participated in myriad overseas programs and explore your many study abroad options while checking out some of their favorite photos and hearing some of their most memorable moments.

FIRST FLOOR

IN RTH 105 @

1:30 | 2:30



#Viterbi**ALUMNI**

What happens to our engineering students after they graduate? Meet a number of young alumni who will be talking about their experiences and how it has affected their current role. Learn about the variety of industries and career paths on which our engineers embark.

FIRST FLOOR

IN RTH 115 @

1:30 | 2:30

LAB TOURS & OPEN HOUSES

TOURS DEPART @

1:00, 1:30, 2:00, 2:30, 3:00, 3:30

OPEN HOUSES ARE AVAILABLE THROUGHOUT THE DAY

All tours depart from the north side of Ronald Tutor Hall on Bloom Walk. **Capacity for each tour is limited.** Retrieve passes for each tour ahead of time at the departure points indicated by signs along Bloom Walk beginning at 12:45 pm. There are no tickets for Open Houses. Proceed directly to location, however please be mindful of the capacity of the lab as the day goes on.

STRUCTURAL ENGR. LAB

Testing of building components and materials. Tours will receive an overview of test equipment and witness a live tensile test.
cap: 15/tour*

ENGINE LAB Automotive engine research aimed at increasing gas mileage and reducing pollutant formation.
cap: 15/tour

IMAGE PROCESSING LAB Demo of various image processing techniques and graphics data compression methods. **cap: 20/tour**

AERO- MECHANICAL LAB Instrumentation and device control through symbiotic integration of mechanical, optical and electronic components. **cap: 30/tour**

WATER QUALITY ENGINEERING Research is conducted on different aspects of water quality science and engineering to provide safer and cleaner drinking water.
cap: 10/tour

MEDICAL DEVICE DEVELOPMENT Implantable electrophysiological interfaces, prosthetic hands, tactile sensors and more.
cap: 20/tour

GILL COMPOSITE CENTER

Composite material testing and manufacturing labs.
cap: 15/tour

COMBUSTION & FUELS Combustion properties for fuels used in transportation and power generation including biofuels and conventional fuels.
cap: 10/tour*

SHOCK WAVE LAB Study of shock wave focusing in fluids and gases, material behavior under shock loading and high velocity impact
cap: 15/tour

NEURAL COMPUTATION Learn how the brain works - using computers and mathematical analysis.
cap: 15/tour

LIVING SYSTEMS ENGR. Mechanisms of development and disease on the cell and tissue level using microfabrication, biomaterials, cell biology, and imaging techniques.
cap: 20/tour

OPEN HOUSES

proceed directly to location

RAPID PROTOTYPING:

RTH 319 3D printing devices and testbeds developed in-house.

ENERGY vs WATER: **RTH 306**

We need water to create energy, and energy to use and distribute water. We are working explore new solutions.
(Presentations at 1:00, 1:30, 2:00, 2:30)

CiSOFT: **RTH 324**

USC-Chevron Center for Interactive Smart Oilfield Technologies.
(Presentations every half-hour)

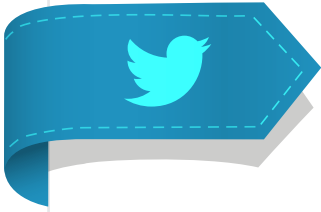
COMPUTATIONAL LEARNING AND MOTOR CONTROL

ROBOTICS: RTH 416 & 417 Platforms to study autonomous manipulation and locomotion. Working to closely integrate perception-learning-action loops. In addition, see a sarcos master slave arm platform, to analyze motor control and reaching behaviors.

IMMUNOBIOENGR. &

BIONANOTECH: RTH 515 Gene delivery and dendritic cell directed vaccine development and drug delivery methods.

* Not accessible via wheelchair today



#ViterbiEXPO

Join us in the conversation on Twitter. Ask questions, share your photos, videos, comments and more.

Use **#ViterbiEXPO** for today's activities and follow the conversation for a few surprises as well!



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@USCViterbi

Thank you for joining us today. Please feel free to contact us at anytime if you have further questions or need more information.

viterbi.usc.edu/admission



viterbi.student@usc.edu



/ViterbiStudentAmbassadors



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Get even more info about student life through our blogs, videos, live chats, tweets, and more at Viterbi Voices.

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