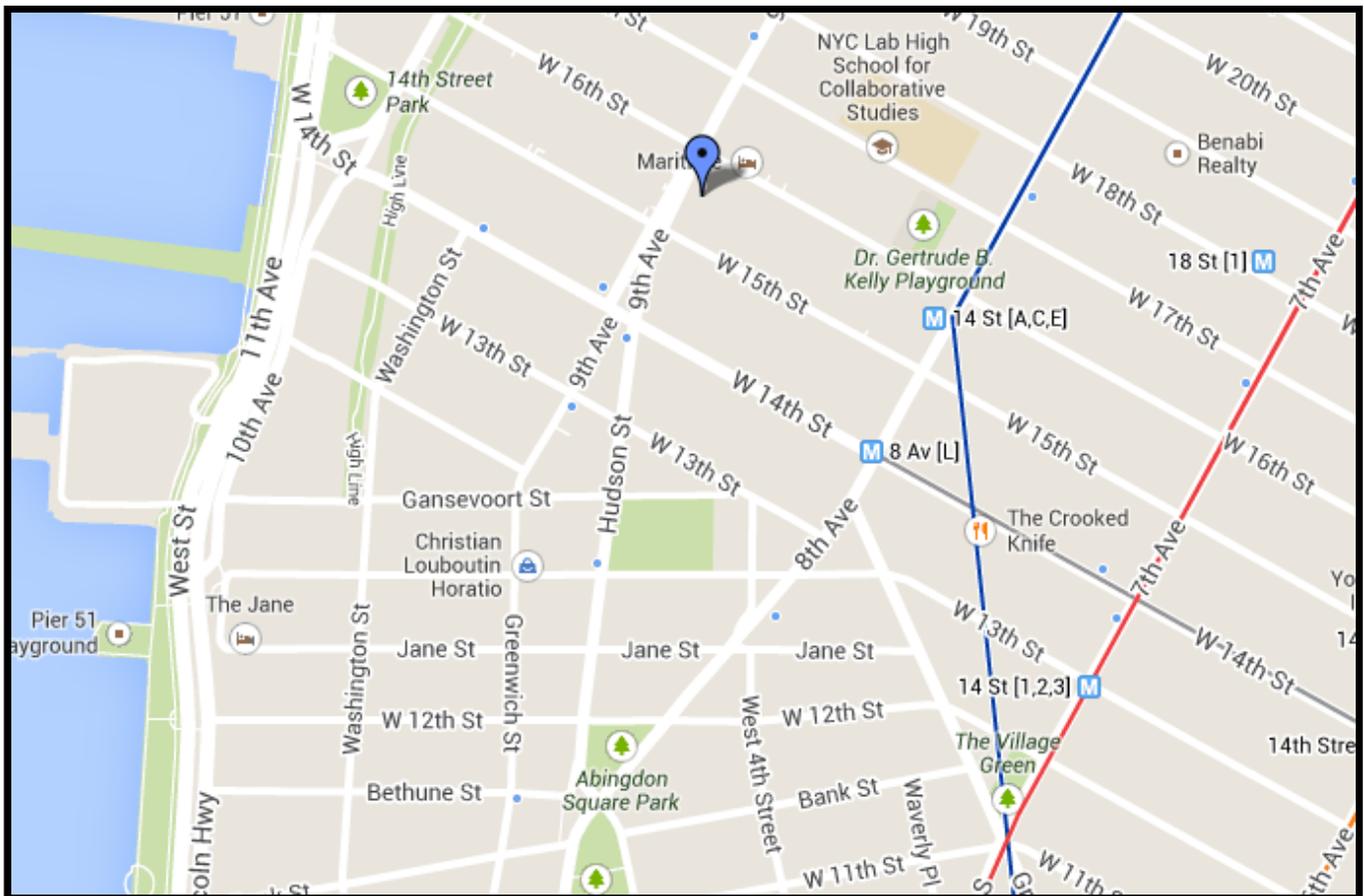
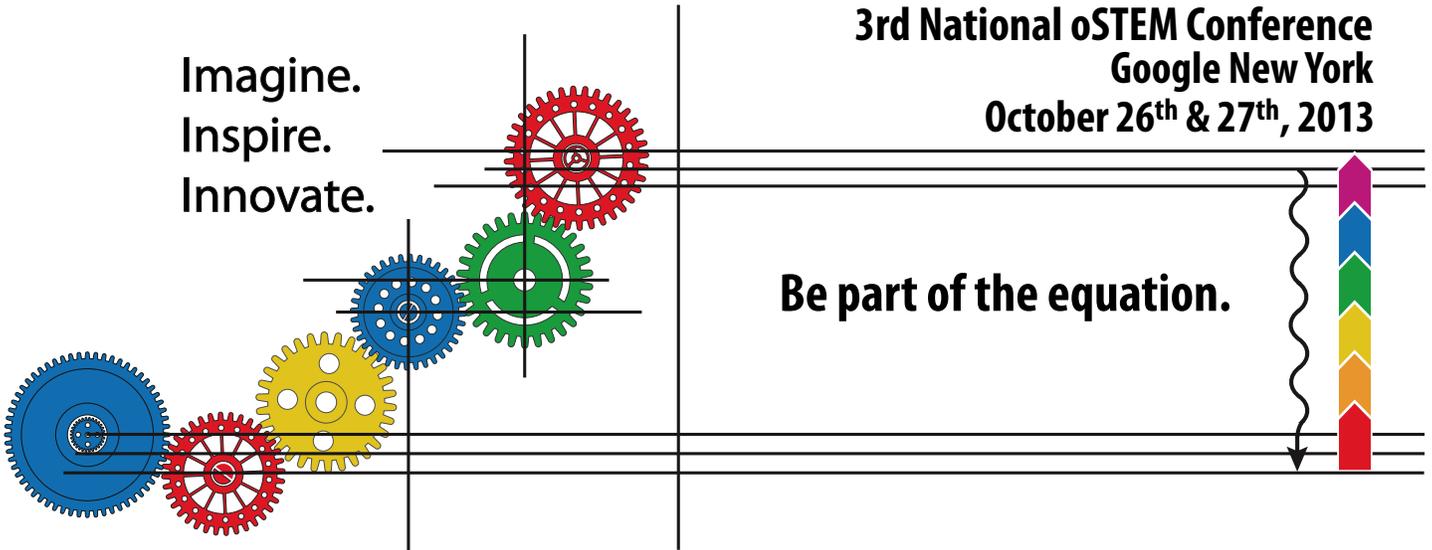


Imagine.
Inspire.
Innovate.

3rd National oSTEM Conference
Google New York
October 26th & 27th, 2013

Be part of the equation.



Google New York: 76 Ninth Ave, New York, NY 10011

Entrance is on Ninth Ave, across from Chelsea Market.

Please use the entrance closer to 16th St.

Registration opens at 7:30 a.m. and conference program begins promptly at 9:00 a.m.

Please allow time for check-in to both the building and the conference.

We gratefully acknowledge those who assisted in planning the Third Annual Conference.

Conference Planning Committee

oSTEM

Eric Patridge

Jeffrey Loh

Denise Conner

Google

Hal Marz

Ryan Hundley

Breakout Session Selection Committee

Denise Conner

Robin Baidya (Georgia State University; formerly The Ohio State University)

David Hernandez (Virginia Tech)

Thalida Noel (Capital College)

Jeffrey Loh

Welcome!

The national Executive Board welcomes you to the Third Annual oSTEM Conference!

We are very excited to collaborate with Google this year, and we are grateful for their generosity with conference space, catering, and staff time. This conference wouldn't be possible without the countless hours that Googlers have contributed towards planning and volunteering for the weekend.

Please note: the conference begins at 7:30am on Saturday, October 26th, and the suggested attire for the entire weekend is 'business casual.'

When you arrive at Google New York, you will be guided to check-in on the 4th Floor. As you'll see in this program, all conference keynotes and workshops will be hosted on the 4th and 8th Floors, and escorts will guide all movement between these floors. For your convenience and comfort, Quiet Zones and All Gender Bathrooms will be available on both the 4th and 8th Floors.

We would also like to highlight that you will be participating in the first full-weekend oSTEM conference. Much of the last year has been spent refreshing our focus on students, and as part of that dedication, we have more workshops with a broader scope, and they have been selected by student members. Furthermore, we are also proud to coordinate a flash presentation session with programming by and for students!

All conference participants are encouraged to attend the STEM Gala on Saturday evening, sponsored by General Motors. Dinner and beverages will be provided, and all conference participants will have the opportunity to view the Statue of Liberty during a water taxi tour of the harbor.

Finally, we would like to ask that you 'save the date' for November 2014. During this year's conference, we will announce our plans for a joint event: oSTEM's 4th National Conference & NOGLSTP's Out to Innovate 2014.

We look forward to an enjoyable and productive conference weekend!

Sincerely,

The oSTEM Executive Board

Eric Patridge

Denise Conner

Matt Feczko

AP Fritts

Jeffrey Loh

Elena Long

Adam Stoffel

Agenda

Saturday, October 26	Start	End	Room(s)
Registration / Sign-In	7:30 AM	11:00 AM	4th Floor Lobby
Breakfast	8:00 AM	9:00 AM	4th Floor Main Room
oSTEM: Welcome & Intro	9:00 AM	9:30 AM	4th Floor Main Room
Opening Keynote [Google]	9:30 AM	10:15 AM	4th Floor Main Room
First Breakout	10:30 AM	11:45 AM	4th/8th Floor Rooms
Lunch	12:00 PM	1:00 PM	8th Floor - Hemisphere
Second Breakout	1:15 PM	2:30 PM	4th/8th Floor Rooms
Third Breakout	2:45 PM	4:00 PM	4th/8th Floor Rooms
Break	4:00 PM	4:30 PM	4th/8th Floor Rooms
Fourth Breakout	4:30 PM	5:45 PM	4th/8th Floor Rooms
Transit to Liberty Science Center	6:00 PM	7:00 PM	Bus & Boat
STEM Gala	7:30 PM	10:00 PM	Liberty Science Center

Sunday, October 27	Start	End	Room(s)
Registration / Sign-In	8:00 AM	11:00 AM	4th Floor Lobby
Breakfast	8:00 AM	9:00 AM	4th Floor Main Room
oSTEM: Intro & Notes	9:00 AM	9:15 AM	8th Floor – Hemisphere
Membership Meeting	9:15 AM	10:30 AM	8th Floor – Hemisphere
Sunday Keynote [MAKE Magazine]	10:45 AM	11:30 AM	8th Floor – Hemisphere
Closing remarks	11:30 AM	12:00 PM	8th Floor – Hemisphere
Informational Fair & Lunch	12:00 PM	3:00 PM	Info Fair: 4th Floor Café – BBB Lunch: 8th Floor – Hemisphere

Saturday Breakouts			GWC Tech Talk (Main Room) 4th Floor	Hemisphere Café 8th Floor	Baker Field 4th Floor	Apollo 4th Floor	Cloisters 4th floor
Start	End	Capacity:	250	100	40	25	10
10:30 AM	11:45 AM	1st Session	LGBTQA Voice in Tech Policy	Allies at Work (Alcoa/GE)	Student Flash Presentations	Research Opportunities	CANCELED Cybersecurity
1:15 PM	2:30 PM	2nd Session	Trans 101	Planning Your Events	Stand Up to Stand Out in Job Market	Science at the Federal Level	Construction Management 101
2:45 PM	4:00 PM	3rd Session	Using the Cloud (Google)	Out in Academia	Out in the Workplace (GE)	Imagining Possibilities: K-12 STEM	Fab Facilitation
4:30 PM	5:45 PM	4th Session	Mentoring (BASF)	CANCELED Careers in Intelligence (CIA)	CS Interview (Google)	STEM and Safer Schools	Trans STEM Students

Keynote Speakers

Saturday Morning

9:30-10:15

Marlo McGriff

Google

Marlo McGriff is a product manager at Google for the civic innovation team, which focuses on fostering effective, open and innovative societies through technology solutions. Since joining Google Marlo has also been a product lead in Payments, where he launched several infrastructure and consumer facing features, including Google Wallet in 2011. He is also the product representative on the privacy working group for Google.org and emerging markets. Marlo is a mentor and board president of True Colors, Inc. one of the nation's largest LGBTQA youth advocacy organizations, and also serves on the alumni board of the Princeton Nassoons, Princeton University's oldest a cappella group.

Sunday Morning

10:45-11:30

Matt Richardson

MAKE Magazine

Awesome Button Studios, LLC

Matt Richardson is a Brooklyn-based creative technologist, contributing editor to MAKE magazine, and Resident Research Fellow and NYU's Interactive Telecommunications Program (ITP). He's also the owner of Awesome Button Studios, a technology consultancy focused on blending creativity and technology. Highlights from his work include the Descriptive Camera (a camera which outputs a text description instead of a photo) and The Enough Already (a DIY celebrity-silencing device). Matt's work has been featured at The Nevada Museum of Art, The Rome International Photography Festival, and Milan Design Week and has garnered attention from The New York Times, Wired, and New York Magazine. He has a B.F.A. in Film and Television Production and an M.P.S. in Interactive Telecommunications, both from New York University's Tisch School of the Arts.

Breakout Session Descriptions

Sessions are grouped below by time slot.

First Breakout

10:30-11:45

The Workplace Resources You Need to Know for Job Search and Career Success

Room: Hemisphere, 8th Floor Cafe

This panel discussion with both allies and LGBTQ professionals in the STEM field aims to educate students on role that employee resource groups (ERG) and allies play in the workplace to establish an inclusive and productive work environment. Students should leave with tools to help identify if an employer has an ERG and/or ally network or know how to determine if an employer has policies in place to protect LGBTQ employees. Lessons learned while job searching and on the job will be shared from both the LGBTQ and ally perspective.

Advocating for the LGBTQ+ Voice in STEM and Tech Policy Conversations

Room: GWC Tech Talk (Main Room), 4th Floor

This program explores the need for greater involvement of members of LGBTQ+ communities who are pursuing careers in STEM to actively participate in the policy discussions affecting our communities. From unintentional outing on social media platforms to cyberbullying and cyber hate speech, LGBTQ+ STEM professionals and academics need to understand the importance of communicating the complex needs of LGBTQ+ communities with public policy makers at Federal, State and Local Governments and with executives at companies that develop, innovate and market new and emerging technologies.

Research Opportunities to Launch & Propel Your STEM Career

Room: Apollo, 4th Floor

Engaging in authentic research has many personal, academic, and professional benefits. This session is designed to inspire students and empower them to seek out authentic research opportunities across the STEM fields. Attendees will learn about successful research programs, student research communities, and opportunities for you to participate in authentic, original research. Through a strategic workshop exercise, attendees will become practicing scientists, engineers, mathematicians, and technology professionals by helping us solve some of the most pressing issues facing the STEM fields. Additionally, we want to hear from you! Help us shape national research programs and policies by providing feedback on obstacles facing the LGBTQ+ community

Securing a Rewarding Career in Cyber Security

*** This program has been canceled due to rescheduling following the government shutdown***

Room: 4th Floor Cloisters

Our daily life, economic vitality, and national security depend on a stable, safe, and resilient cyberspace. Come learn how one first-generation college graduate & minority LGBT professional leveraged his unique background to embark upon an exciting federal government career that took him from the east coast to the Middle East, in a STEM field that didn't even exist when he entered college.

(continued on next page)

First Breakout (continued)

Student Flash Presentations

Room: Baker Field, 4th Floor

These presentations reflect leadership, research, and mentor-seeking skills our students have excelled at in the past year. The format is five 10-minute presentations in a single session during the first breakout.

Tips & Tricks for an Inclusive oSTEM Chapter

Learn some tips, tricks, and general best practices to having an open, successful, and inclusive oSTEM Chapter, that has the ability to adapt to changes and welcome new members in a breeze. In the end, you will leave having learnt some concrete steps you can bring to your next chapter meeting to take it to the next level of acceptance. This presentation will be available online after the conference at <https://readymag.com/u31731473/ostem/>.

Social Activity Data & Predictive Analytics: An Opportunity to Advance oSTEM

Corporate America has long been able to predict details of our intimate lives using the same data that has been used by the equality movement to our own substantial advantage. By properly and cautiously leveraging social data's predictive value we can promote our oSTEM chapters and further strengthen our community.

Gate-Tunable Plasmonic Devices: Using Sunlight to Control Catalysis

Can you imagine tuning the catalysis of a reaction with a simple switch? Our research hopes to utilize sunlight to help drive the catalysis of a reaction in combination with a gate potential to manipulate that catalysis for various applications.

Why Are We What We Are? Scientific Understandings of Sexual Orientation

Various historical and contemporary theories have been postulated to provide evidence for non-heterosexual sexual orientations, including brain organizational theory, the exotic to erotic theory, and the maternal immune hypothesis. Which theories make sense, and which have scientific validity?

Here's My Card: Finding Mentors Through Professional Networking

This flash presentation will present professional development strategies in the context of a personal narrative. Topics will include mentorship, etiquette in professional correspondence, attending scientific and diversity conferences, and leveraging connections in the student's own institution. A one-page handout will be provided summarizing key points and listing organizations that support LGBTQ students in STEM.

Second Breakout

1:15-2:30

On Being an LGBTQA STEM Professional in the Federal Workforce

Room: Apollo, 4th Floor

Federal agencies, national labs, and STEM policy organizations offer many opportunities for LGBTQA STEM professionals. This session features three current and former National Science Foundation (NSF) staff members who will discuss opportunities in the federal workforce for students and professionals who are interested career pathways beyond academia or industry.

Trans 101: Transgender Basics

Room: GWC Tech Talk (Main Room), 4th Floor

Learn the basics of gender and transgender identities through this interactive session for beginners. Attendees will leave with a solid understanding of terminology, challenges trans people face, and how they can support transgender and gender non-conforming members of their organization.

Planning Your oSTEM Event

Room: Hemisphere, 8th Floor Cafe

In this workshop, we will walk through a section from the oSTEM Chapter Handbook on making the process of planning programming a less daunting task. We'll plan a fictional event together from beginning to end and share our best practices on having a successful event whether it is for education, outreach or social goals.

Stand Up to Stand Out in the Job Market

Room: Baker Field, 4th Floor

Coming out on your resume or at work is an important decision for LGBT+ professionals. Groups like oSTEM have shaped you in ways that your future employer will value, but only if you make your identity-related projects known. This workshop will provide guidance on how to position your fabulous LGBT+ experiences to align with current business needs and trends, and after you've got the job, find ways to stand out in your workplace by openly identifying yourself.

Construction Management 101

Room: 4th Floor Cloisters

Did you ever wonder what's really involved in building construction? With this program you'll learn the basics of the construction process – how contractors bring major commercial, healthcare, and educational buildings from design to reality. The program will cover many of the processes and players involved in building buildings.

Third Breakout

2:45-4:00

Out in the Workplace: Opening the Door for Dialogue

Room: Baker Field, 4th Floor

Join a rich discussion of diversity issues within STEM fields, and how to safely and confidently approach being out in the workplace. We'll also examine the opportunities that LGBTQA students can bring to their future employers to build a stronger, more culturally sensitive workplace.

Imagining Possibilities: LGBTQ-Inclusion and Acceptance in K-12 STEM

Room: Apollo, 4th Floor

More than twenty years of research history regarding LGBTQ topics and people in education exists despite persistent exclusion in policy and curriculum. Research related to LGBT-inclusion in K-12 STEM education, though, has hardly begun. Participants in this workshop will begin by examining positive, LGBTQ-inclusive science learning experiences they have had. An overview of recommended actions for teachers generally and STEM teachers specifically will be provided as participants discuss the connection between their past positive experiences and research findings. Participants will breakout into smaller groups to discuss STEM teaching as a career; STEM education research as a career; and promoting LGBT-inclusion through outreach by oSTEM groups to local school classrooms.

Using the Cloud to Make Your Life Easier

Room: GWC Tech Talk (Main Room), 4th Floor

Life is busy, but help is on the way! Join a Google engineer and learn how developer applications can be used by anyone to analyze, organize, and save time. Regardless of major or programming experience level (newbies to jedis), all attendees should walk away from this session with an understanding of how Google's cloud tools can help them in their academic work and beyond. Bringing your laptop may be useful in this session, but not required.

How To Succeed In Academia While Being Out

Room: Hemisphere, 8th Floor Cafe

This session is intended to include both an interactive small-group mentoring session for potential LGBT STEM academics and a brief description of two examples of career paths taken by out LGBT STEM professionals in academia. The examples are provided students interested in academic careers with models of success and the mentoring segment is to provide individualized encouragement, advice and information.

Fabulous Facilitation Frameworks for Student Leaders

Room: 4th Floor Cloisters

Fabulous Facilitation Frameworks is designed to help leaders plan and implement different types of conversations within an oSTEM chapter, such as general body meetings, officers' meetings, retreats, and safe-space events. Join us to learn about community standards, time management, group exercises, and conflict resolution. New leaders especially welcome in this discussion!

Fourth Breakout

4:30-5:45

Addressing Needs of Trans STEM College/University Students through oSTEM

Room: 4th Floor Cloisters

This workshop, closed to only trans-identified people, will provide an opportunity to meet with some of the oSTEM Trans Working Group's organizers, learn about the results from TWG's recent Needs Assessment Survey, help us identify further issues that trans people in STEM face and work on solutions to these problems. Following the workshop, time will be available for networking with other trans people in STEM.

Careers in Intelligence

This program has been canceled due to the government shutdown

Room: Hemisphere, 8th Floor Cafe

This session provides the opportunity to engage with a panel of STEM professionals from the U.S. intelligence community as they describe their background, education, and STEM careers. The panelists will highlight experiences and influences that led them to a STEM career in the intelligence community. They will share personal stories of the challenges and successes experienced as LGBT professionals in the STEM field.

Interview Workshop

Room: Baker Field, 4th Floor

Want to know what it takes to ace a technical interview? Get the inside scoop! Join Google engineers as we dissect what makes up a technical interview and practice on real interview questions. This session is best suited for those studying CS and related majors.

What Does STEM Have to Do with Safer Schools?

Room: Apollo, 4th Floor

From online content filtering to mobile technology, STEM has played an important role in the digital experiences of LGBTQ youth. A recent survey found two-thirds of LGBT youth had used the internet to connect with other LGBT people in the past year, but they were three times as likely as non-LGBT youth to say they had been bullied or harassed online and twice as likely to say they've been bullied via text message. This double-edged sword, the 21st century, will be exposed in detail to draw a clear connection between STEM and the movement to create safe schools for all students regardless of sexual orientation or gender identity/expression.

Mentoring: The Right Ingredient for Creating Chemistry

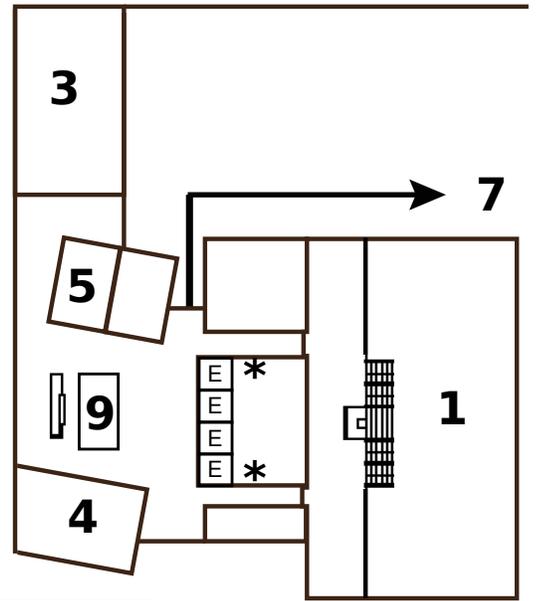
Room: GWC Tech Talk (Main Room), 4th Floor

True mentoring is defined as a trusting relationship between a more experienced individual who focuses their energies on assisting others in personal and professional development. The mentor's role is to fully engage and guide the mentee by listening carefully and creating a constructive environment where the mentee can discuss the critical issues and goals that affect his or her success and act on them. If mentoring is to be successful as a tool for the empowering employees, it must be truly diverse - representing everyone within the organization, not just women and people of color.

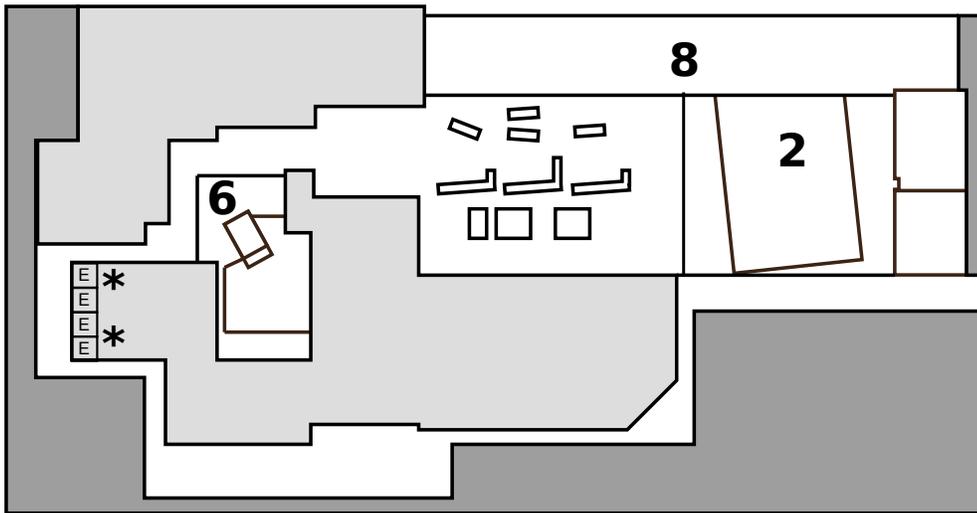
Conference Area Maps

- 1 - Main Room
- 2 - Hemisphere
- 3 - Baker Field
- 4 - Apollo
- 5 - Cloister Breakout
- 6 - Truck Area
- 7 - Information Fair
- 8 - Rooftop Patio
- 9 - Registration Desk
- * - Restrooms
- E - Elevators

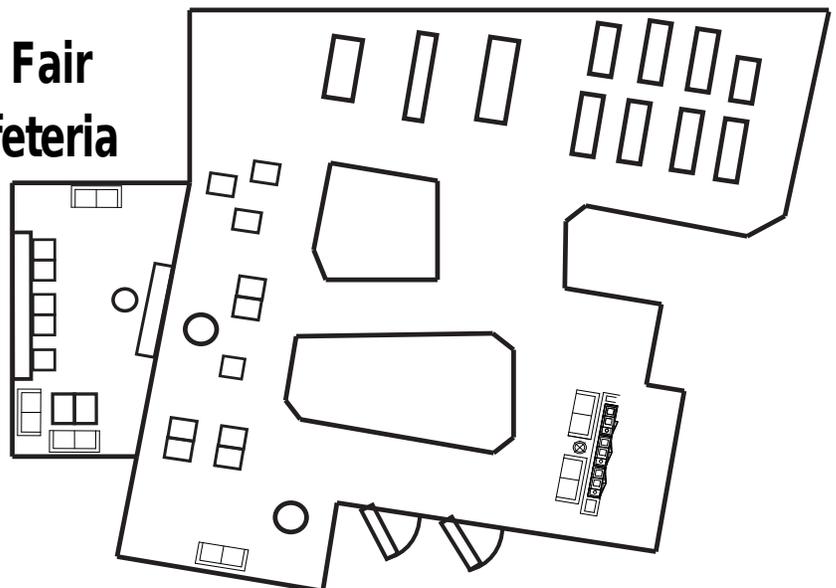
Floor 4



Floor 8



Information Fair 4th Floor Cafeteria



* *

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