



Engineers for a Sustainable World

DESIGN • EDUCATE • UNITE

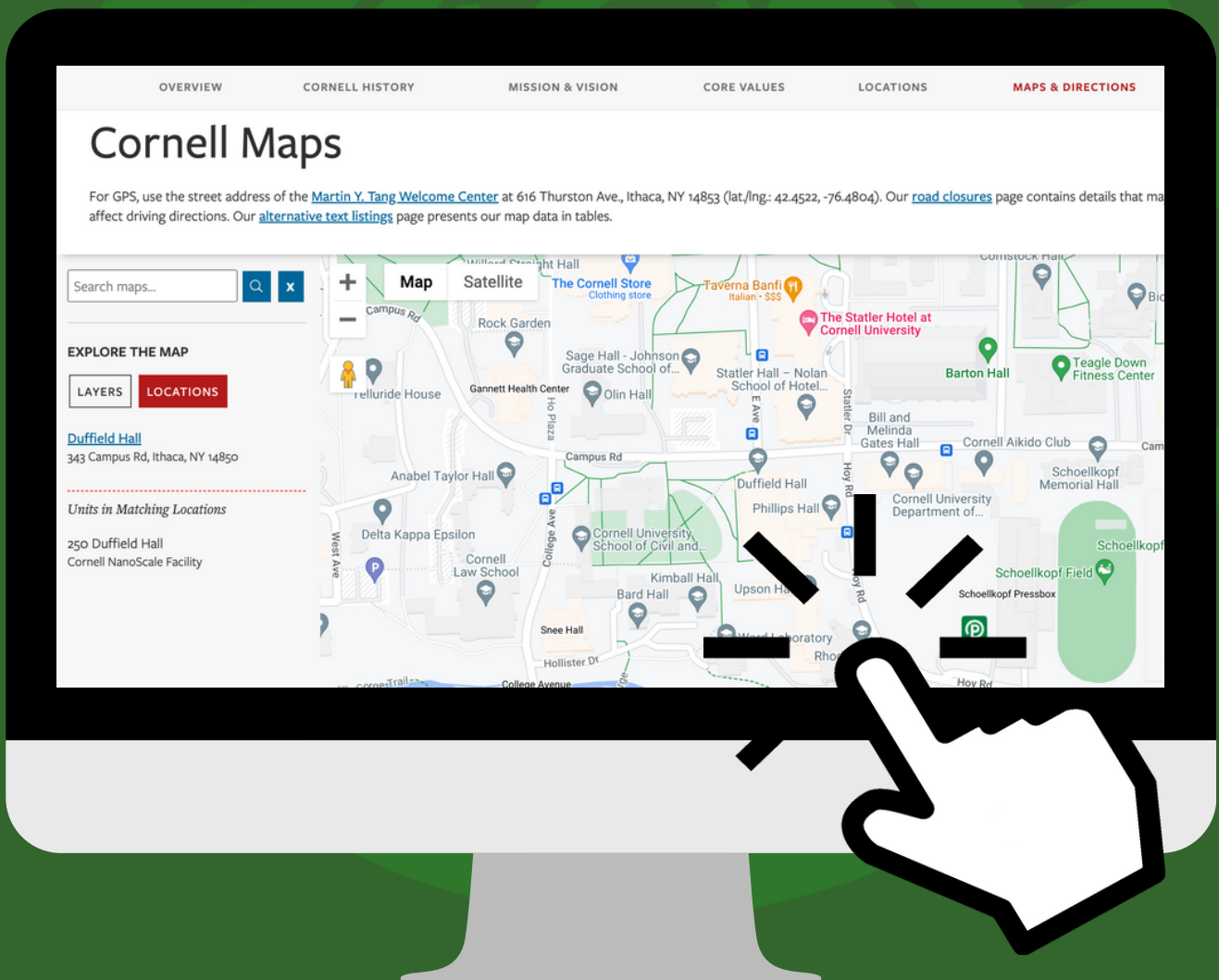


WELCOME TO ESWCON 2023!

Hosted by ESWHQ and The Cornell Chapter
Nov. 9th - Nov. 12th, 2023 in Ithaca, NY

NEW TO THE AREA?

USE CORNELL MAPS TO FIND YOUR WAY AROUND CAMPUS



CLICK HERE

PARKING/BUS GUIDE

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Thursday November, 9th

2:00 PM - 4:00 PM ET - OPTIONAL TOUR

Hydroelectric Plant Tour

Meet at Duffield Hall on the Cornell campus at 2 pm ET to walk over as a group, OR: go directly to the Hydro Intake at the north end of the Beebe Lake footbridge at 2:30 pm ET.

3:00 PM - 5:00 PM ET - OPTIONAL TOUR

Cornell University Borehole Observatory (CUBO) Tour

Meet at Snee Hall at 3 pm ET to view the museum display and learn more about CUBO.

- Go to CUBO site on Palm Road afterwards (driving required)

5:00 PM - 6:00 PM ET IN PHILLIPS HALL ROOM 403

HQ Meet and Greet

Meet the ESW HQ volunteer team!

6:30 PM - 10:00 PM ET AT THE BAUM ATRIUM IN DUFFIELD HALL

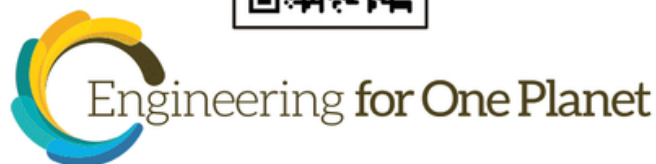
Small Dinner & Social Conference Kick-Off

Dinner with catering from Ithaca Bakery (vegan/vegetarian and GF options)

Social Kick-Off Event: Get to know students from across North America and participate in team challenges including ESW trivia.



How do you ensure that the solutions of today do not become the problems of tomorrow?



Add your voice to a global movement of students, faculty, and professionals working to improve our planet and our lives by **transforming engineering education.**

Become an Engineering for One Planet (EOP) Signatory today!

Learn more about EOP at the workshop and career fair on Friday.

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Friday November, 10th

7:30 AM - 9:00 AM ET AT BAUM ATRIUM IN DUFFIELD HALL

Breakfast and Registration

Breakfast, provided by Cornell Catering, and registration are located at Baum Atrium in Duffield Hall. Vegan and GF options will be available.

9:00 AM - 10:00 AM ET IN IVES HALL, ROOM 305

• LIVE

Keynote Speaker Yusuf Jameel on “The Urgency of Climate Action: Deploying Scalable and Science-Based Solutions to Avert Catastrophe”



**PROJECT
DRAWDOWN**

[Yusuf Jameel](#) is an Associate Scientist at [Project Drawdown](#), a world leading resource for climate solutions in a quick, safe, and equitable manner. Project Drawdown utilizes effective, science-based climate solutions and strategies; cultivates bold, new climate leadership; and promotes new climate narratives and voices.

Join Yusuf to discuss a science-based solution portfolio across sectors, timeframes, and geographies that when deployed and scaled quickly and effectively can cut greenhouse gas emissions in half by 2030 and help us reach net-zero emissions by 2050 and avert disastrous climate change.



10:00 AM - 11:00 AM ET - BREAKOUT SESSION OPTIONS

KEY Investing in Our Future Track Technical Sustainability Track Community and Activism Track

PART 1 - 10:00 AM - 10:30 AM ET



10:00 AM - 10:30 AM ET IN SAGE HALL, ROOM B01

•LIVE

[Hybrid] “Green Jobs: A Global Perspective” with Joanna Bonnett, founder of Green Jobs Foundation

Explore global green job trends and what skills green job seekers need.



10:00 AM - 10:30 AM ET IN HOLLISTER HALL, ROOM B14

“Impacts of Local Climate Action Planning and How to Get Involved” with Emily Carr, Climate Change and Sustainability Analyst at ICF

Investigate effective methods to develop and implement a Climate Action Plan at the Local Level.



10:00 AM - 10:30 AM ET IN STATLER HALL, ROOM 196

“Coastal Climate Adaptation Using Non-Structural Methods: Barriers and Opportunities in NYS” with Rewa Phansalkar, Research and Outreach Specialist, from NYS Water Resources Institute at Cornell University

Climate-induced flooding in New York State has caused significant damage to infrastructure and property in recent years. Identify popular mitigation strategies from strategy selection to implementation for shoreline communities and property owners.



10:00 AM - 11:00 AM ET - BREAKOUT SESSION OPTIONS

KEY **Investing in Our Future Track** **Technical Sustainability Track** **Community and Activism Track**

PART 2 - 10:30 AM - 11:00 AM ET



10:30 AM - 11:00 AM ET IN HOLLISTER HALL, ROOM B14
“Every Job is a Climate Job 101” with Mike Alcazaren, Senior Technical Sustainability Product Manager at Amazon and fellow ESW-UB Alum

Find your career north star and learn foundational tips and tactics for steering your career towards climate.



10:30 AM - 11:00 AM ET IN STATLER HALL, ROOM 196
”Developing and Implementing a Climate Action Plan in Local Government” with Madison Quinn, Sustainability Coordinator at Monroe County Dept. of Environmental Services

Learn how to establish a baseline greenhouse gas emissions inventory and develop targets for emissions reduction for your local government.



10:30 AM - 11:00 AM ET IN SAGE HALL, ROOM B01
“Protecting Shinnecock Homelands” with Shavonne Smith, Director of Shinnecock Environmental Department

Discuss the importance of partnerships and collaborations to mitigate climate change impacts with a focus on protecting the homeland of the Shinnecock Indian Nation, a federally recognized tribe of historically Algonquian-speaking Native Americans. The Shinnecock Homelands are located at the eastern end of Long Island, New York.



11:00 AM - 12:00 PM ET - BREAKOUT SESSION OPTIONS

KEY **Investing in Our Future Track** **Technical Sustainability Track** **Community and Activism Track**

OPTION 1 - 60 MIN SESSIONS



11:00 AM - 12:00 PM ET IN HOLLISTER HALL, ROOM B14

“Career Trajectories of ESW Alumni Panel” with Mike Alcazaren, Zoe Benson, and Jordan Croll

Learn how these dedicated alumni translated their passion for sustainability and engineering skills developed through their time at ESW into effective real-world accomplishments that leave a lasting positive impact.



11:00 AM - 12:00 PM ET IN STATLER HALL, ROOM 196

Engineering for One Planet (EOP): “Changing Curriculum to Sustain Our World” Workshop with Victoria Matthew, Abdulmalik Ismail, and Andrew Schulz

Explore the strategies and initiatives EOP is taking to integrate sustainability into engineering education and how you can play an active role in making a difference on your campus and in your community.





Friday November, 10th

11:00 AM - 12:00 PM ET - BREAKOUT SESSION OPTIONS

KEY **Investing in Our Future Track** **Technical Sustainability Track** **Community and Activism Track**

OPTION 2 - 30 MIN TALKS



11:00 AM - 11:30 AM ET IN SAGE HALL, ROOM B01

“The Value and Flexibility of Project Management Skills” with Frank Saladis, Former President of the Project Management Institute NYC Chapter

Discuss the value of project management and the unique skill set a project managers possess.



11:30 AM - 12:00 PM ET IN SAGE HALL, ROOM B01

“Cornell University’s Borehole Observatory (CUBO): Exploring Geothermal Energy’s Decarbonizing Potential” with Steve Beyers, Energy Project Consultant at Cornell

Delve into Cornell University’s plan to decarbonize by 2035, with a focus on understanding the potential of Earth Source Heat (ESH) and using low-temperature geothermal energy.



10 Friday November, 10th

12:00 PM - 1:00 PM ET AT THE BAUM ATRIUM IN DUFFIELD HALL

Lunch

Enjoy delicious food from Catering by Luna. Lunch is located at Baum Atrium in Duffield Hall. Vegan and GF options will be available.

1:00 PM - 3:00 PM ET IN DUFFIELD HALL

Career Fair

Featuring:

- Engineers for a Sustainable World
- Engineering for One Planet
- Project Management Institute
- Hydraulic Institute
- Monroe County Department of Environmental Services
- New York State Pollution Prevention Institute
- Xylem Inc

Check-in at Booth 1 and visit each company to learn about their opportunities!



3:00 PM - 3:30 PM ET

Break



10 **Friday November, 10th**

3:30 PM - 5:30 PM ET IN GATES HALL, ROOM G01

Design Challenge

Please check your name tag for your team number, but we will start all together in Gates. The challenge is a surprise and will be announced on the day of.

5:30 PM - 6:30 PM ET

Break

6:30 PM - 7:00 PM ET IN OLIN HALL, ROOM 155

Ignite Session

Meet your fellow ESW peers and learn about what their chapter is doing in these rapid-fire presentations.

7:00 PM - 8:30 PM ET

Dinner

Mingle with other ESWcon attendees to get dinner at a local restaurant in Downtown Ithaca. Cornell students will lead groups downtown after the Ignite Session.

8:30 - 10:00 PM ET AT THE BAUM ATRIUM IN DUFFIELD HALL

Game Night

Games and activities! Feel free to bring your own board games for everyone to play.



ESW CAREER CENTER: CONNECTING TALENT WITH OPPORTUNITY

WANT TO SECURE YOUR DREAM GREEN JOB?

**Join our network of sustainability professionals on the
ESW Career Center!**

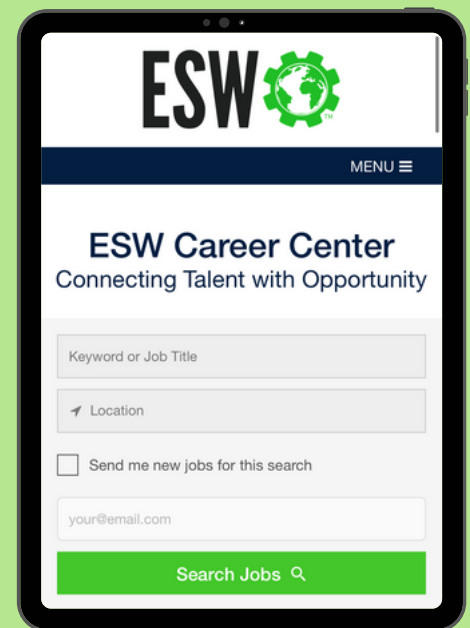
Join and Gain Access to:

- ESW's exclusive job platform tailored to green jobs
- Resume reviews
- Green Career Resources
- And more!

QUESTIONS?

Reach out to Carly at ccoehen@eswusa.org or Tom at tloughlin@eswusa.org

Sign up for our LinkedIn newsletters [here!](#)



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Saturday November, 11th

7:30 AM - 9:00 AM ET AT THE BAUM ATRIUM IN DUFFIELD HALL

Breakfast and Registration

Breakfast, provided by Ithaca Bakery, and registration are located at Baum Atrium in Duffield Hall. Vegan options will be available.

9:00 AM - 10:00 AM ET IN OLIN HALL, ROOM 155

Keynote Session - Ethics Panel

•LIVE



Michelle Benavides

Executive Director of International Society of Sustainability Professionals



Mark Langley

Former President and CEO of Project Management Institute



Sanjana Paul


Executive Director of Earth Hacks



Rik Van Hemmen

President of Martin & Ottaway, Inc.

Engage with thoughtful leaders at the forefront of engineering an ethical future as they discuss how they have implemented environmental sustainability and social responsibility as a core component of development and how they have observed and implemented ethical work throughout their careers and have used it as a blue print to building a thriving equitable and sustainable future for us all.



10:00 AM - 10:30 AM ET - BREAKOUT SESSION OPTIONS

KEY **Investing in Our Future Track** **Technical Sustainability Track** **Community and Activism Track**



10:00 AM - 10:30 AM ET IN OLIN HALL, ROOM 155
**“Engineering Ethics Clashes and Crashes” with Rik van Hemmen,
 President of Martin & Ottaway, Inc.**

Learn about sustainable engineering ethics and discover the mechanisms and tools engineers can use to develop ethical sustainable solutions.



10:00 AM - 10:30 AM ET IN OLIN HALL, ROOM 165
Contacting Policymakers Workshop

Equip yourself with the tools and knowledge to effectively engage with policymakers and play an active role in shaping your future. This workshop will be led by students in the Cornell ESW chapter.



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Saturday November, 11th

10:30 AM - 12:00 PM ET IN DUFFIELD HALL

Poster Session

Visit the Project Showcase to learn about the sustainable and innovative projects that our chapters are working on!

12:00 PM - 1:00 PM ET AT BAUM ATRIUM IN DUFFIELD HALL

Lunch

Enjoy delicious food from Cornell Catering. Vegan and GF options will be available.

1:00 PM - 2:00 PM ET IN OLIN HALL, ROOM 155

•LIVE

Keynote Speaker Peter Bardaglio on “Connect and Collaborate: Climate Action and the Energy Transition in Ithaca, NY”



I T H A C A
2030
DISTRICT[®]

[Peter Bardaglio](#) is the Executive Director of [Ithaca 2030 District](#) and Coordinator of [Tompkins County Climate Protection Initiative](#). The 2030 District is a new model for urban sustainability with a focus on cutting energy use, water use, and transportation emissions by 50 percent by 2030. The year 2030 is considered a deadline for achieving a carbon-free society in order to mitigate climate change. [Ithaca](#) became the first city in New York to join the 2030 District Network.

Join Peter to explore how cross-sector collaboration in Ithaca, NY has provided the foundation for effective climate action, accelerated the transition to a new energy economy, and led to a more resilient community - with a focus on how the Tompkins County Climate Protection Initiative, the Ithaca 2030 District, and the Ithaca Green New Deal have contributed to reducing greenhouse gas emissions, establishing mutually beneficial private-public partnerships, and promoting equity in the community.



Saturday November, 11th

2:00 PM - 3:00 PM ET - BREAKOUT SESSION OPTIONS

KEY **Investing in Our Future Track** **Technical Sustainability Track** **Community and Activism Track**

OPTION 1 - 60 MIN TALKS



2:00 PM - 3:00 PM ET IN PHILLIPS HALL, ROOM 203

“Environmental Justice Jamboard” Workshop with Sanjana Paul, Executive Director at Earth Hacks

Rapidly brainstorm thoughts in response to questions surrounding the intersection of environmental justice concepts and technology.



Earth Hacks



2:00 PM - 3:00 PM ET IN PHILLIPS HALL, ROOM 101

Chapter Leadership Summit with the Student Membership Team - Highly encouraged for all chapter leadership team members

Connect with other chapter leaders, discuss challenges, share ideas, hone your leadership skills, and learn more about the resources and support available to your chapter.



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Saturday November, 11th

2:00 PM - 3:00 PM ET - BREAKOUT SESSION OPTIONS

KEY **Investing in Our Future Track** **Technical Sustainability Track** **Community and Activism Track**

OPTION 2 - 30 MIN TALKS



2:00 PM - 2:30 PM ET IN OLIN HALL, ROOM 155
“Pumping Green: Sustainability, Savings & Jobs” with Michael Michaud, Executive Director at Hydraulic Institute

Discuss the challenges of implementing a system approach to irrigation and wastewater facilities; simple solutions and new opportunities at the Federal, State, and Community Level; and career resources + opportunities in the pumping industry.



2:30 PM - 3:00 PM ET IN OLIN HALL, ROOM 155
“Solving the World’s Toughest Water Challenges, Together” with Adam Ryder, Senior Manager Sustainable Technology and Measurement at Xylem Inc.

Discuss the role that Xylem Inc. is playing in protecting our most precious resource, water, and delivering sustainable solutions to customers around the world.





Saturday November, 11th

3:00 PM - 3:30 PM ET

Break

3:30 PM - 5:30 PM ET IN PHILLIPS HALL, ROOM 101

Design Challenge

Please check your name tag for your team number. You will have approximately one hour to finish up your final product with your group before presenting what you've done to a panel of judges for the final hour. Winners will be announced at the award ceremony.

6:30 PM - 8:00 PM ET AT THE BAUM ATRIUM IN DUFFIELD HALL

Banquet and Award Ceremony

Enjoy delicious food from Catering by Luna. Vegan and GF options will be available.



THANK YOU TO ALL OUR SPONSORS





Sunday November, 12th

9:00 AM - 12:00 PM ET

Check out Ithaca Falls

Please meet at 9 am ET at Duffield Hall to walk over as a group OR: go directly to the falls at 9:30am ET.





THANK YOU FOR JOINING US!

**WE HOPE TO SEE YOU AT THE NEXT
ESWCON!**

**SUSTAINABLY,
ESWHQ AND THE CORNELL CHAPTER**

TM