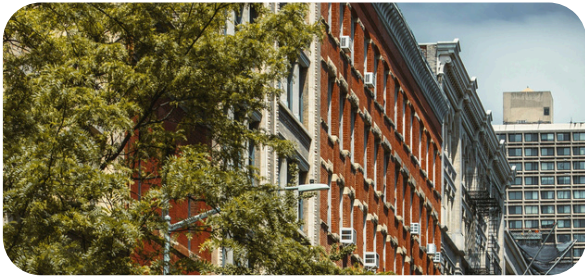


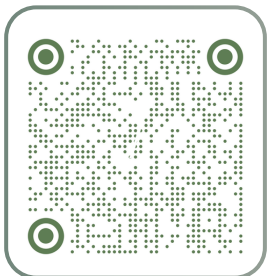
## ABOUT US

The Center for Energy and Carbon Management Training (E-CMT), in collaboration with the NYS agency Homes and Community Renewal (HCR), is preparing the next generation of the weatherization workforce by offering comprehensive training in energy-in-buildings and providing pathways to industry-recognized certifications.

The initiative seeks to foster a diverse and equitable workforce equipped for the challenges of the modern energy sector.



**TO LEARN MORE  
COMPLETE THE  
FORM**



## EVENT DETAILS

The CUNY Building Performance Lab is hosting a in-person showcase to highlight student projects that focus on sustainability and building science.

Additionally, it will introduce the new Energy and Carbon Management Training (E-CMT) program, which aims to train new entrants in the weatherization field. It is aimed at current and prospective students, academic professionals, and industry experts.

## SCHEDULE

- 12:00 - 12:15 PM** Registration & Networking
- 12:15 - 12:50 PM** Welcome & Opening Remarks
- 12:50 - 1:05 PM** Keynote Address - Cristina Garcia
- 1:05 - 1:55 PM** Student Presentations – **Session 1**
- 1:55 - 2:35 PM** Break
- 2:35 - 3:30 PM** Student Presentations – **Session 2**
- 3:30 - 4:30 PM** Panel Discussion: Building Science & Urban Sustainability
- 4:30 - 4:50 PM** Walkaround Project Viewing
- 4:50 - 5:00 PM** Closing Remarks & Future Outlooks



# E-CMT

**NY CENTER FOR ENERGY & CARBON  
MANAGEMENT TRAINING**



**Welcome to our  
Student Project Showcase**



**Homes and  
Community Renewal**



[www.cunybpctraining.org](http://www.cunybpctraining.org)

# KEYNOTE ADDRESS



**CRISTINA GARCIA**

Residential Energy Efficiency & Heating Electrification Program Manager at Con Edison

# GUEST SPEAKERS



**NEIL PADUKONE**

Director of Green Economic Transformation at the NY Climate Exchange



**ELAINE MAHONEY**

Program Manager at New York State Homes and Community Renewal Program

# PANELISTS

## SHAKIRA HART

Senior Director of Community Engagement at Solar One

## KERI FAULHABER

Senior Vice President of JobsFirstNYC

## CHARLES CALLAWAY

Director of Workforce Development at WE ACT for Environmental Justice

## KENDRA JONES

Director of Programs at the HOPE Program

Visit [cunybp1training.org](http://cunybp1training.org)

# STUDENT SPOTLIGHTS



**MASHRAT AHMED**

Mashrat, a Business Administration student at Baruch College, is an intern at the Sustainability Help Center. He is focused on developing organizational and problem-solving skills to support sustainability initiatives.

**ARIFA SULTANA**



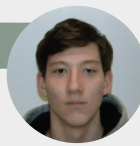
Arifa is a Biology student at City College, interning at the Sustainability Help Center. She is interested in the intersection of biology and sustainability.

**CASSANDRA JOHNSTON**



Cassandra, a Mathematics major at Hunter College, works at the Sustainability Help Center. Her focus is on using analytical skills to support sustainability projects.

**ARTEM SOKOL**



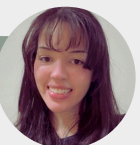
Artem is an Engineering student at City College of New York, passionate about sustainable solutions in building and energy engineering. He currently works as an Energy Engineering Intern at the Association for Energy Affordability, gaining hands-on experience in energy audits and building efficiency projects.

**ARRIF ASAVAVIRIYAKUL**



Arrif is a Master's student in Sustainability at CCNY, with a focus on energy efficiency, sustainable finance, and urban development. His passion lies in creating community-scale solutions through technology and stakeholder engagement.

**MARIEL JAQUEZ**



A NYC native with a Masters in Urban Sustainability, Mariel strives to help improve cities through inclusive and resilient design and policy initiatives.

**MITALY CHAKRABORTY**



Mitaly is an international graduate student pursuing a Master of Science in Sustainability in the Urban Environment, dedicated to promoting sustainability and climate resilience through research and community-driven solutions.

**GENESIS REYES**



Genesis is a native from Queens and is interested in equitable decarbonization of buildings in New York.

**MAMADOU SALIHOU BAH**



Mamadou is studying Electrical Engineering at City College. He is passionate about making a global impact by providing electricity to underserved communities. A lifelong learner and team player, he values emotional intelligence and effective communication.

**DIVYAPRAHBA CHANDRASEKAR**



Divyaprabha, an architect from India, is passionate about sustainability. Her interests include decarbonization in the built environment and optimal resource use.

# PROJECTS

## Session 1 (1:05 - 2:05 PM)

### **NYC Sustainability Help Center: The One-Stop Resource for Sustainable Building Inquiries by NYC SHC**

The NYC Sustainability Help Center (SHC) is a free public resource for NYC's major building sustainability laws. This presentation provides an overview of SHC, its services, and its role in advancing New York City's building sustainability initiatives.

### **Empowering Building Owners by Artem Sokol**

We developed a PowerPoint guide and a website to help building owners understand energy efficiency measures and access funding opportunities through city, state, and federal programs.

### **The West Harlem Energy Proposal and Harlem Retrofit Lab and Design Partnership by Arrif Asavaviriyakul**

WHEP (West Harlem Energy Proposal) focuses on retrofitting buildings in West Harlem to meet NYC's Local Law 97 by using energy-efficient technologies like EnerPHit and DERMS integration. HRLDP (Harlem Retrofit Lab and Design Partnership) supports WHEP by focusing on community engagement and collaboration with stakeholders.

### **Retrofitting Subdivisions for Sustainability in an International Context by Mariel Jaquez**

By using background information and feedback from residents to identify significant challenges and realistic strategies in the walkability of Merida (a subdivision of Yucatan, Mexico), students created a formal strategy of improving a 600 meter long median by adding various community micro-spaces for the promotion of sustainable community development.

## Session 2 (2:35 - 3:25 PM)

### **Community-Based Hazard Mitigation in Western Queens, NY by Mitaly Chakraborty**

By partnering with New York City Emergency Management (NYCEM) and local community organizations, students will empower residents to develop effective strategies that address urban planning challenges and promote resilience, ensuring that the specific needs of historically underserved communities are met in preparation for future disasters.

### **Hazard Mitigation in the Rockaways by Genesis Reyes**

A team of two students from the City College of New York, in partnership with NYC Emergency Management and the Far Rockaway Arverne Nonprofit Coalition, have worked to develop a hyperlocal Hazard Mitigation Plan for the Rockaways.

### **Rev Campus Challenge by Mamadou Salihou Bah**

Mamadou joined the CCNY REV Project in its third year to assist the REV team with tracking which variable air volumes terminals were served by which air handling units in the one of CCNY's buildings. This helped the team determine which building zones needed more or less air supply.

### **Impact of solar thermal and heat pumps in the energy savings for residential buildings in NYC by Divyaprabha Chandrasekar**

Solar thermal technology to help DHW energy requirements and heat pump to help space heating/cooling. Also to understand the financial incentives and rebates of NY to give building owners a practical investments.