

DOE TO THE PEOPLE

Opportunities for MSI Faculty and Students



U.S. DEPARTMENT OF
ENERGY

Office of Energy
Justice and Equity

UC RIVERSIDE



On behalf of the entire campus community,

WELCOME TO UC RIVERSIDE!



We are both grateful and excited to host the U.S. Department of Energy (DOE) program, “DOE to the People.” It is an honor to welcome all of the participants from other Minority Serving Institutions (MSIs), Federal Agencies, civic groups, education communities, and business. With the range of sectors and perspectives represented, we look forward to providing our students and community with opportunities for networking and finding internships, contracts, grants, scholarships, and research and development programs.

University of California Riverside (UCR) lives at the intersection of research excellence, access, student success, and community service. As both a Hispanic Serving Institution (HSI) and Asian American and

Native American Pacific Islander Serving Institution (AANAPISI), we strive to find new pathways and opportunities for underrepresented students, especially in Science, Technology, Engineering and Mathematics (STEM) disciplines. We are grateful for the chance to partner with DOE in this mission.

To each of you joining us, thank you for your participation in this important work. We hope these sessions impart actionable learning and lasting inspiration to support students, knowledge creation, cross-sector partnerships, and our communities long into the future.

Sincerely,

Kim A. Wilcox
Chancellor



**CONTRACTS
& GRANTS**



INTERNSHIPS



**RESEARCH &
DEVELOPMENT**



SCHOLARSHIPS



**CERTIFICATE
PROGRAMS**

A Message from the U.S. Department of Energy's Leadership



Jennifer M. Granholm
*Secretary, U.S. Department of
Energy*



Shalanda H. Baker
*Director of the Office of
Energy Justice and Equity
and Secretarial Advisor on
Equity*

On behalf of the Department of Energy (DOE), we are thrilled to extend a warm welcome to you and your esteemed institution as we develop partnerships with Minority Serving Institutions (MSIs) focusing on cultivating the next generation of science, technology, engineering, and math (STEM) professionals.

The Biden-Harris Administration and DOE have prioritized support for our nation's colleges and universities so they can continue building pathways to upward mobility and success for all students to thrive in the American workforce. We understand that MSIs play a pivotal role in advancing the Administration's equity and educational goals. We understand that together we can create a powerful synergy that advances research and innovation and translates these ideas into practical solutions that can transform lives.

President Biden has secured historic investments in institutions that enroll and graduate disproportionate shares of low-income students and students of color, including tens of billions of dollars in funding for Historically Black Colleges and Universities, Tribal Colleges and Universities, Asian American and Native American Pacific Islander-Serving Institutions and Minority Serving Institutions, including Hispanic Serving Institutions. MSIs have the potential and capacity to train and mentor America's future STEM workforce and increase student experiential learning and career opportunities in the energy sectors to broaden perspectives beyond the classroom.

At DOE, we are committed to increasing diversity in STEM and non-STEM admissions at research institutions to create a diverse pipeline for DOE Labs, like expanding the Minority Educational Institution Partnership Program (MEISPP) to include short-term and long-term internships and higher stipends to stay competitive. MEISPP is just one of the ways DOE is helping undergraduate and graduate students “jump-start” their careers and develop their potential for future opportunities within the federal government.

DOE is keen to partner with MSIs to advance energy justice by ensuring that historically underrepresented communities have an opportunity to participate fully in the energy programs of the Department. Our vision is to establish a mutually beneficial partnership that leverages the strengths of both DOE and MSIs. Through MSI partnerships, we will:

- **Promote research excellence** by collaborating on cutting-edge research that emphasizes energy justice and explores novel approaches to energy distribution, technology, and policy.
- **Conduct educational outreach** by developing joint initiatives that raise awareness about clean energy, including workshops, seminars, and educational materials that empower individuals to become advocates for positive change.
- **Empower communities** by identifying and implementing community-based projects that directly address energy inequities and enhance the quality of life for underserved and overburdened populations.
- **Advocate for policies** that prioritize clean energy on local, national, and global levels, creating an environment conducive to sustainable and equitable energy systems.

We believe that by harnessing our collective strengths, we can make significant strides towards a sustainable energy future. We invite you to explore the opportunities presented this week and join us in our mission to advance equity for disadvantaged communities and individuals. We are excited about the role DOE can continue to play in building a diverse American workforce and strengthening STEM education.

Sincerely,



Jennifer M. Granholm
Secretary, U.S. Department of Energy



Shalanda H. Baker
Director, Office of Energy Justice
and Equity Secretarial Advisor on Equity



TABLE OF CONTENTS

Agenda	Page 1
Biographies	Page 9
Maps	Page 41
Resources	Page 45
Notes	Page 47



AGENDA



Welcome to the Highlander University Building

(HUB)

Plenary Session

8:00 - 8:45
(HUB 302)

Continental Breakfast

8:50 - 9:30
(HUB 302)

Welcome from UCR and DOE

Kim A. Wilcox, Chancellor, UCR

Christy Jackiewicz, Chief, Minority Educational Institutions Division (MEI),
Office of Minority Programs, Office of Energy Justice and Equity (EJE),
DOE

Secretary Jennifer Granholm, Secretary of Energy, DOE

Shalanda H. Baker, Director, Office of Energy Justice and Equity (EJE),
DOE

9:30 - 10:30
(HUB 302)

Energy and the Environmental Impact: Fireside Chat

*Join our clean energy leaders as they discuss the future of STEM through
partnerships with industry, TCUs, HBCUs, and other MSIs.*

Moderator: Christy Jackiewicz, Chief, MEI, Office of Minority Programs,
Office of Energy Justice and Equity (EJE), DOE

Speakers:

Shalanda H. Baker, Director, Office of Energy Justice and Equity (EJE),
DOE

Ron Pierce, Director, Office of Small and Disadvantaged Business
Utilization (OSDBU), DOE

Gene Rodrigues, Assistant Secretary for Electricity, Office of Electricity,
DOE

Dr. Harriet Kung, Deputy Director for Science Programs, Office of
Science, DOE

Rodolfo Torres, Vice Chancellor of Research and Economic
Development, UCR

Liane M. Randolph, Chair, California Air Resources Board

Audience: *All participants*

10:30 - 11:30
(HUB 302)

How MSIs are Overcoming Barriers in Energy Research and Workforce Challenges

Panelist will discuss accomplishments and barriers faced by MSIs, as well as strategies used to support faculty, student, and community members.

Moderator: Dr. Nabih Haddad, STEM Research and Development Lead, MEI, Office of Minority Programs, EJE, DOE

Speakers:

Estela Gavosto, Acting Vice Chancellor for Diversity, Equity & Inclusion, UCR

Md Nawshad Arslan Islam, Ph.D., Research Assistant Professor, Aerospace Center, The University of Texas El Paso

Dr. Lennor Johnson, President, Imperial Valley College

Dr. Wolde-Ab Isaac, Chancellor, Riverside Community College District

Audience: *Federal agencies, corporations, nonprofits, and funders interested in supporting MSIs through capacity building, research, and infrastructure*

11:30 - 11:45
(HUB 302)

Signing of a Mentor Protégé Agreement

The Office of Small and Disadvantaged Business Utilization is honored to present the public signing of a new DOE Mentor Protégé Agreement between the Los Alamos National Laboratory and the Northern New Mexico College.

11:45 - 12:00

Break

Lunch & Learn

12:00 - 1:00
(HUB 302)

Moderator: Erin Paige, Training Lead, Office of Workforce Development, Office of Environmental Management

DOE Student Interns

Rohan Buch, Computer Science, UCR

Kennedy Byrd, Finance, Benedict College

Brenda Blanco, Environmental Engineering, UCR

Jordan Teeter, Electrical Engineering Ph.D., UCR

Adrian Garcia, Applied Mathematics, Scientific Computing and Applied Mathematics, University of California Santa Cruz

Breakout Sessions

1:00 - 1:45 Session

HUB 269
100 Seats

Critical Materials and the Energy Supply Chain: Research and Funding Opportunities

Research opportunities with DOE for MSIs and Industry. Learn about the social impact of key materials for possible designation as critical minerals.

Moderator: Dr. Arun Raju, Associate Director, Center for Environmental Research and Technology (CE-CERT), UCR

Speakers:

Dr. Helena Khazdozian, Senior Technology Manager, Advanced Materials and Manufacturing Technologies Office, Office of Energy Efficiency and Renewable Energy (EERE)

Dr. Michael McKibben, Research Professor Department of Earth & Planetary Sciences, UCR

Trelynd Bradley, Deputy Director of Sustainable Freight and Supply Chain Development, Governor's Office of Business and Economic Development, State of California

Dr. Jessica Mullen, Technology Manager, Critical Minerals & Materials, National Energy Technology Laboratory, Office of Fossil Energy, DOE

Audience: *MSI students, faculty, and industry partners*

HUB 260
60 Seats

Opportunities in Microelectronics and Advanced Materials

A discussion on how DOE, MSIs and industry can work together on Microelectronics.

Moderator: Professor Roger Lake, Electrical and Computer Engineering, UCR

Speakers:

Dr. Jeremy Mehta, Technology Manager, Advanced Materials and Manufacturing Technologies Office, EERE

Professor Shane Cybart, Director UCR-CalIT2

Audience: *MSI faculty, students, and industry*

HUB 268
60 Seats

Funded Faculty Development Programs

Learn about opportunities for continuing learning education that can be used to fortify STEM curriculums that reach more students in clean energy.

Moderator: Trina Bilal, Program Manager, MEI, Office of Minority Programs, EJE, DOE

Speakers:

Ping Ge, Director, Office of Workforce Development for Teachers, and Scientist, Office of Science, DOE

Chris Nash, Workforce Development and Education Programs, National Renewable Energy Laboratory (NREL)

Marcus Giron, Undergraduate Intern Program Manager, NREL

Kelly Sturner, Learning Center Program Coordinator, Argonne National Laboratory

Cait McGraw, K-12 STEM Education and Outreach Specialist, Idaho National Laboratory

Audience: MSI Faculty

HUB 265
46 Seats

DOE Office of Energy Justice and Equity (JE) Community of Change Leaders

Highlighting careers and opportunities for diverse communities and individuals.

Moderator: Charlie Carrasco, Senior Outreach Specialist, Office of Diversity, Equity, Inclusion, and Accessibility, EJE, DOE

Speakers:

Chester Scott, Program Manager, MEI, Office of Minority Programs, EJE, DOE

James Hendrix, Program Manager, Minority Business and Workforce Division, Office of Minority Programs, EJE, DOE

Nacole Morton, Chief, Acquisitions & Project Management Division, EJE, DOE

Emily Kessel-Qureshi, STEM Technical Assistance Lead, MEI, Office of Minority Programs, EJE, DOE

Audience: Faculty and students who are interested in opportunities that impact economic development and energy justice

1:45 - 2:00

Break

2:00 - 2:45 Session

HUB 269
46 Seats

Meeting Climate Goals with Fossil Energy and Carbon Management

Discuss the role of carbon management in meeting mid-century decarbonization goals and explore opportunities for student career development through internship programs and R&D funding programs.

Speaker:

Dr. Caleb Woodall, Office of Workforce Management & Administration, Fossil Energy and Carbon Management (FECM), DOE

Dr. Jessica Mullen, Technology Manager, Critical Minerals & Materials, National Energy Technology Laboratory, Office of Fossil Energy, DOE

Audience: MSI Students, Faculty, and Industry Partners

HUB 265
46 Seats

Access Clean Energy Jobs through Internships, On-the-Job Training and Certificate Programs

Discuss Opportunities to work in STEM clean energy through certificate programs, internships, scholarships, and workforce development.

Moderate: Jasmine Anderson, STEM Technical Assistance Advisor, MEI, Office of Minority Programs, EJE, DOE

Speakers:

Chris Nash, Workforce Development and Education Programs, NREL

Marcus Giron, MScED, MIScComm, Intern Program Manager, NREL

Faith Dukes, Director of K-12 STEM Education Programs, Berkeley Lab Government & Community Relations, Lawrence Berkeley National Laboratory

Maria A. Taydem, PhD, PMP, Project Manager, Oak Ridge Institute for Science and Education (ORISE)

Igrid Rosario Gregory, Senior Manager, Workforce Development, ORISE

Marie C. Martin, Associate Dean of Extension, UCR

Audience: Students and Faculty

HUB 268
60 Seats

Decarbonization of Agriculture and the Workforce Opportunities

Learn about opportunities in workforce modernization in agriculture.

Moderator: R. Andre DeRosa, CEO of Lamplighter

Speakers:

Tom Soto, Founder, D4IR

Joyce Jong, Project Manager, City of Riverside

Martha Cardenas, Director of Plant Transformation and Research Center, UCR

Ian Rowe, Ph. D, Technology Manager Bioenergy Technologies Office, EERE

Dr. Jennifer Stokes-Draut, Deputy Lead, Controlled Environment Agriculture Accelerator, Lawrence Berkeley National Laboratory

Audience: *Faculty, Students, and Economic Development Leaders, Community Organizers, Industry Partners*

HUB 260
60 Seats

Technical Assistance for Minority Serving Institutions

Come to learn about the Mentor Protégé Agreements, the MEI Technical Assistance series, qualifying for small business contracting and other ways to access federal funding.

Moderator: Trina Bilal, Program Manager, MEI, Office of Minority Programs, EJE, DOE

Speakers:

Estela Gavosto, Acting Vice Chancellor for Diversity, Equity & Inclusion, UCR

Mark Lochbaum, Senior Small Business Advocate and DOE Mentor Protégé Program Manager, OSDDBU, DOE

Martin Kleckner, Managing Partner and Senior Advisor, EPIC SBA Program at UCR, Small Business Development Center, UCR

Emily Kessel-quireshi, STEM Technical Assistance Lead, MEI, Office of Minority Programs, EJE, DOE

Audience: *MSI Leadership, Faculty, and Industry Partners*

2:45 - 3:00

Break

3:00 - 5:30
(HUB 302 South)

EXPO and Career Fair

Meet with DOE laboratories, staff and program offices along with industry and MSI representatives for one-on-one discussions about career and funding opportunities. Below are only some of the exhibitors.

Sneak Peak:

DOE Offices and National Laboratories:

- Office of Energy Justice and Equity
- Office of Electricity
- Office of Science
- Office of Energy Efficiency and Renewable Energy
- Office of Fossil Energy and Carbon Management
- National Renewable Energy Laboratory
- Argonne National Laboratory
- Idaho National Laboratory
- Lawrence Berkeley National Laboratory
- Oak Ridge Institute for Science and Education

MSIs:

- University of California Riverside
- The University of Texas El Paso
- Imperial Valley College
- Riverside Community College District

Industry/ Public:

- California Air Resources Board
- D4IR
- Office of Business and Economic Development, State of California
- City of Riverside

BIOGRAPHIES



Morning Plenary Speakers



Jennifer M. Granholm was sworn in as the 16th Secretary of Energy on February 25, 2021.

Secretary Granholm is leading DOE's work to advance the cutting-edge clean energy technologies that will help America achieve President Biden's goal of net-zero carbon emissions by 2050 while creating millions of good-paying union clean energy jobs and building an equitable economy. Secretary Granholm is also overseeing DOE's core missions of promoting American leadership in scientific discovery, maintaining the nuclear deterrent and reducing nuclear danger, and remediating the environmental harms caused by legacy defense programs.

Prior to her nomination as Secretary of Energy, Jennifer Granholm was elected Governor of Michigan, serving two terms from 2003 to 2011.

As Governor, Jennifer Granholm faced economic downturns caused by the Great Recession and meltdown in the automotive and manufacturing sectors. She successfully led efforts to diversify the state's economy, strengthen its auto industry, preserve the manufacturing sector, and add emerging sectors — such as clean energy — to Michigan's economic portfolio. Today, one-third of all North American electric vehicle battery production takes place in Michigan, the state is one of the top five states for clean energy patents, and 126,000 Michiganders were employed in the clean energy sector prior to COVID-19.

Secretary Granholm was also elected Attorney General of Michigan and served as the state's top law enforcement officer from 1998 to 2002.

After two terms as governor, Jennifer Granholm joined the faculty of the University of California, Berkeley as a Distinguished Professor of Practice in the Goldman School of Public Policy, focusing on the intersection of law, clean energy, manufacturing, policy, and industry. She also served as an advisor to the Clean Energy Program of the Pew Charitable Trusts.

Jennifer Granholm began her career in public service as a judicial clerk for Michigan's 6th Circuit Court of Appeals. She became a federal prosecutor in Detroit in 1990, and in 1994, she was appointed Wayne County Corporation Counsel.

Secretary Granholm, an immigrant from Canada, is an honors graduate of both the University of California, Berkeley and Harvard Law School. She and her husband, Daniel G. Mulhern, have three children.



The Honorable Shalanda H. Baker is the Director of the Office of Energy Justice and Equity at the U.S. Department of Energy and Secretarial Advisor on Equity. Prior to her Senate confirmation, she served as the Nation's first-ever Deputy Director for Energy Justice. Before joining the Biden-Harris Administration, she was a Professor of Law, Public Policy, and Urban Affairs at Northeastern University.

She has spent over a decade conducting research on the equity dimensions of the global transition away from fossil fuel energy to cleaner energy resources. She is the author of over a dozen articles, book chapters, and essays on renewable energy law, energy justice, energy policy, and renewable energy development. In 2016, she received a Fulbright-Garcia-Robles research fellowship to study climate change, energy policy, and indigenous rights in Mexico. She is the Co-Founder and former Co-Director of the Initiative for Energy Justice (www.iejusa.org), an organization committed to providing technical law and policy support to communities on the frontlines of climate change. Her book, *Revolutionary Power: An Activist's Guide to the Energy Transition* (Island Press 2021), argues that the technical terrain of energy policy should be the next domain to advance civil rights.

She received her BS from the United States Air Force Academy and JD from Northeastern University School of Law. She obtained

Contact information: Shalanda.baker@hq.doe.gov



Dr. Kim A. Wilcox serves as the ninth chancellor of UC Riverside where he has overseen transformational change since assuming his role in 2013. During Chancellor Wilcox's tenure, UCR has become a national model for achieving student success, particularly across socio-economic and ethnic categories, receiving the Association of Public and Land-grant Universities (APLU) "Project Degree Completion Award." Named the No. 1 public university in the country for social mobility by U.S. News for four years running, UCR has also been described as "fastest rising" for its rapid ascendancy through rankings and "most transformative" for its impact on students.

As the university's chief executive, Chancellor Wilcox has led expansive growth in research, enrollment, graduation rates, and physical development. The campus has added schools of medicine and public policy. Enrollment has grown more than 25%. UCR has also grown its faculty, adding two Nobel Prize winners while increasing the racial, ethnic, and gender diversity among incoming faculty members. To support these increases, the campus has added more than 2 million square feet in leading-edge laboratory facilities, state-of-the-art classrooms, and residential and dining facilities.

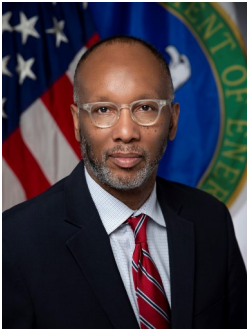
Chancellor Wilcox has been a leading and influential national voice in the reassessment of higher education rankings systems to value metrics such as social mobility and student outcomes over wealth and exclusivity. His commentary has appeared in the New York Times, Washington Post, Los Angeles Times, Politico, the Chronicle of Higher Education, and other news organizations.

Contact information: Chancellor@ucr.edu



Christy L. Jackiewicz has been providing federal leadership in advocacy, contracting, policy, budget, human capital and outreach since 1989. As Chief of the Minority Educational Institution Division in the Office of Energy Justice and Equity, Christy engages with the Department of Energy's (DOE) program offices, laboratories, and field sites to establish internships, research opportunities, grants, and cooperative agreements with Minority Serving Institutions (MSIs). These relationships increase the capability of stakeholders to build a pipeline of Science, Technology, Engineering, Math and Energy leaders for the future of this agency and the American workforce.

Contact information: Christy.jackiewicz@hq.doe.gov



Ron Pierce is the Director of the Office of Small and Disadvantaged Business Utilization (OSDBU). Previously, he served as an independent management consultant, addressing issues on environmental and climate change for small businesses.

He spent five years as Senior Director of PBS Veterans and Small Business Initiatives on the Station Services Team.

Ron served 11 years as a U.S. Army Officer. He earned his B.S. from U. S. Military Academy at West Point and holds a Master of International Affairs from The Naval Postgraduate School.

Contact information: Ron.pierce@hq.doe.gov

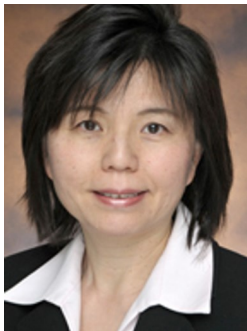


Gene Rodrigues is the Assistant Secretary for Electricity for the DOE's Office of Electricity (OE). Mr. Rodrigues is a nationally recognized expert in clean energy policy and programs with over 30 years of professional experience in the field. Prior to joining OE, Mr. Rodrigues was Vice President in the Energy, Environment, and Infrastructure practice at ICF, a global advisory and digital services provider.

He has also garnered 23 years of industry experience at Southern California Edison (SCE), one of the nation's largest electric utilities. During his tenure at SCE, he represented the company in regulatory proceedings and held leadership positions over the company's portfolio of demand-side management programs and policies, which helped to ensure the provision of affordable, reliable, and resilient electric service for over 15 million people in Southern California.

Mr. Rodrigues held leadership positions in industry nonprofit organizations, including most recently as a member of the board of the American Council for an Energy-Efficient Economy, as the chair of the board for the California Efficiency & Demand Management Council, and as chair of the outreach committee for the bipartisan Alliance to Save Energy's Active Efficiency initiative.

Contact information: Gene.rodrigues@hq.doe.gov



Dr. Harriet Kung is the Deputy Director for Science Programs in the Office of Science at the U.S. Department of Energy. As Deputy Director for Science Programs, Dr. Kung is the senior career official providing scientific and management direction and oversight for the Office of Science research programs.

With over 20 years of service in the Department of Energy, Dr. Kung led and cultivated one of the Nation's premier research programs in the physical sciences. During her tenure, she fostered a team-science approach to advance DOE's science and energy missions by spearheading a decade-long strategic planning initiative to assure timely, science-based solutions. She also positioned the Office of Science as a National Quantum Initiative leader by establishing strategies to capitalize on strong synergies between disciplines. She has chaired and co-chaired high-level interagency working groups to develop and implement national science priorities.

Dr. Kung received her M.S. and Ph.D. degrees from Cornell University. She is the recipient of numerous awards including the Presidential Meritorious Executive Rank Award in 2009 and the Distinguished Executive Rank Award in 2022.

Contact information: Harriet.kung@science.doe.gov



Rodolfo H. Torres is the Vice Chancellor for Research and Economic Development and a Distinguished Professor of Mathematics at the University of California, Riverside. He provides a broad vision and executive leadership for campus-wide research initiatives and is responsible for inspiring and managing a diverse portfolio of research and creative activity, as well as economic development activities in coordination with the region, state, and other external partners. Torres' research interests are in the field of harmonic analyses, which involves finding patterns in complicated sets of data and has applications in both theoretical mathematical concepts as well as signals and images analysis with application in other disciplines.

Contact information: Vcred@ucr.edu



Liane Randolph has spent most of her career in public service, specializing in environmental law and policy, effective administration, and a commitment to transparency and public process. She was appointed Chair of the California Air Resources Board by Governor Gavin Newsom in December 2020. Starting in 2015, Randolph served six years as a Commissioner at the California Public Utilities Commission and managed numerous decisions on energy efficiency, integrated energy resource planning, and regulation of transportation network companies, as well as spearheading significant Commission policy reforms.

Prior to the PUC, Randolph served from 2011 to 2014 as Deputy Secretary and General Counsel at the California Natural Resources Agency, where she worked on a wide variety of legal and policy issues, including work on the Klamath Dam Removal agreement, CEQA guidelines, and the Agency's first Tribal Consultation Policy. Randolph's first role with the State was as Chair of the California Fair Political Practices Commission from 2003 to 2007.

Contact information: Liane.randolph@arb.ca.gov



Dr. Nabih Haddad is currently the STEM Education Research and Development Lead in the Minority Educational Institutions Division within the Office of Energy Justice and Equity at the DOE, where he is developing research materials, highlighting best practices for engaging with MSIs, developing programs, working to develop ways to benchmark the needs of MSIs and aligning data/best practices with DOE strategic priorities.

In his former work as a postdoctoral fellow at the University of Michigan Ann Arbor, he managed a longitudinal study of first-year doctoral education, examining how academic identities are developed over time.

At Harvard, Haddad extended his prior work of conducting fundraising feasibility reports, managing processes and guidelines for working with fundraising and academic partners and developing prospect pipelines. Additionally, Haddad worked with The W.K. Kellogg Foundation to explore the organizational landscape of MSIS, focusing on Historically Black Colleges and Universities and Tribal Colleges and Universities.

Contact information: Nabih.haddad@hq.doe.gov



Estela Gavosto is the Acting Vice Chancellor for Diversity, Equity & Inclusion, and a Professor of Teaching (Department of Mathematics) at the University of California, Riverside. Her husband is also a mathematician, and they have two sons. She developed her interest in mathematics during high school, at the Instituto Politécnico Superior in Rosario, Argentina. After graduating with a “Licenciatura” in Mathematics at UNR, Gavosto completed her Ph.D. in Mathematics at Washington University in St Louis and continued on to postdoctoral positions at Princeton University and the University of Michigan. Subsequently, she was a faculty member in the department of mathematics at the University of Kansas (KU), Lawrence, for 23 years.

Contact information: Estelag@ucr.edu



Dr. Md Nawshad Arslan Islam is a Research Assistant Professor at the Aerospace Center. He oversees the Energy Systems research at the Aerospace Center and is responsible for developing the clean hydrogen research facility and Vehicle to Grid (V2G) research program at the Aerospace Center. He received his Ph.D. from the University of Texas at El Paso in 2021. Dr. Islam’s current and previous research efforts include High Pressure Gasification, Clean Hydrogen from sustainable resources, Hydrogen Turbine, Carbon Dioxide Conversion and Utilization, Sustainable Aviation Fuel (SAF), High-Pressure Oxy-fuel Combustion, Additive Manufacturing of Smart Burners, Vehicle to Grid (V2G) Bidirectional Power Systems and Digital Engineering of Energy Systems.

Contact information: Mislam12@utep.edu



Dr. Lennor M. Johnson serves as the 10th Superintendent/President for Imperial Community College District. Since his arrival to Imperial Valley College as Dean of Student Services in 2016 and later Vice President of Student Services in 2018, he has played an integral role in the growth and development of the prison program, dual enrollment, food pantry, student housing, and other programs designed to address the unique needs of students who are considered foster youth, disabled, formerly-incarcerated, homeless and other disproportionately impacted populations.

Before joining IVC, Dr. Johnson served in several leadership capacities within the higher education sector, including Campus Director, Dean, Graduate Curriculum Chair, Professor, Director of Community Relations, and Academic Advisor.

Dr. Johnson is active in the community where he advocates for education reform and economic development, particularly for minoritized communities and was a recipient of the 2023 Stone of Hope Award in Imperial County. He currently serves as a member of the Imperial Rotary Club, and he is a participant in the Imperial Valley Social Justice Committee.

Contact information: Lennor.johnson@imperial.edu



Wolde-Ab Isaac, Ph.D., is the appointed chancellor of RCCD. A noted scholar and education activist, Isaac has more than 50 years of experience as an educator, faculty member and administrator. He came to RCCD in 2006 as dean of Health Science at the Moreno Valley campus. In 2012 he was named vice president of Academic Affairs at Riverside City College, and later as interim president of RCC. In 2015, he was appointed as Riverside City College's 11th president.

A Fulbright Scholar, Isaac was born in Eritrea, East Africa, and graduated from Ethiopia's Haile Selassie University where he majored in chemistry. His graduate studies took him to the University of Michigan where he completed the MSc. and Ph.D. degrees in Medicinal Chemistry and did post-doctoral studies at Uppsala University in Sweden before he eventually returned to Eritrea to work as government secretary of Human Resources.

Isaac served as president of the University of Asmara in Eritrea from 1993 to 2006 and previously was a senior clinical researcher with AstraZeneca, a position he held for 10 years.

Contact information: Wolde-ab.Isaac@rccd.edu | 951.222.8800

Lunch & Learn Speakers



Erin's passion for people and learning started long before she began her career. She enjoys empowering people to uncover locked potential and grow beyond their expectations. Erin started her federal government career as an intern with the National Nuclear Security Administration in 2009 and served in various roles in the training office for 8 years. June 2023, she joined the Office of Workforce Development as the Training Lead at the Office of Environmental Management. Her love of people, strategy, and learning is the superpower she uses to foster healthy environments where employees at every level can push the envelope beyond their beliefs, grow and develop, and spearhead their own success.

Prior to returning to the Department of Energy, Erin worked for the Census Bureau and the Food and Drug Administration.

Contact information: Erin.paige@em.doe.gov



Rohan Buch is a 4th year computer science major at UC Riverside. With an interest in energy and energy reliability and being a part of a Minority-Serving Institution like UCR, Mr. Buch was accepted as an intern for the Minority Educational Institution Student Partnership Program (MEISPP) allowing him to connect with other students and DOE personnel. His strengths are in scientific analysis and is excited to learn new tools and skills. Mr. Buch became better at being able to convey his work and to communicate professionally. At the end of the program, he was able to present his research to experts in the field of reliability and is now better prepared for future opportunities.

Contact information: Rohan.buch@hq.doe.gov | buchrohand2@gmail.com



Kennedy Byrd's introduction to the Department of Energy began with the Minority Educational Institution Student Partnership Program (MEISPP) at the beginning of the Summer of 2023. Byrd, a native Detroit, graduated Magna Cum Laude with her Bachelors of Science in Finance from Benedict College, a Historically Black College in Columbia, SC. Kennedy is a member of Delta Sigma Theta Sorority Inc. and served as the Financial Secretary of the Gamma Upsilon Chapter for the 2022-23 FY. Some of Kennedy's prior work experience includes a plethora of program management internships with nonprofits such as the United Negro College Fund Institute for Capacity Building, Michigan Women Forward, and South Carolina Women in Leadership respectively. Byrd currently interns with the Office of Minority Programs with the Minority Educational Institution Division (MEI), under Ms. Christy Jackiewicz and her team. Passionate about minority advocacy, Kennedy dedicates her time to volunteering in her community and providing students, like herself, with greater opportunities to succeed.

Contact information: Kennedy.byrd@hq.doe.gov



Brenda Blanco is a senior at the University of California, Riverside (UCR) completing a degree in environmental engineering. In addition to this, she is a part of UCR's Center for Environmental Research and Technology (CE-CERT) where they study ozone and secondary aerosol formation. Her prior experience consists of a summer internship for the physics department at the University of San Diego under the National Science Foundation's Research Experiences for Undergraduates (NSF REU). She focused on identifying the material properties and understanding the mechanism for the formation of hydrogel through the mixture of horseradish peroxidase and suckerin-12 protein. Brenda hopes to pursue a career in air quality or renewable energy. During her free time, she enjoys reading and skateboarding at the beach.

Contact information: Bblan015@ucr.edu



Jordan Teeter is a first year PhD student in Electrical Engineering at UC Riverside. He was born and raised in Corona, Ca and started studying physics at Norco College. He transferred to UC Riverside in 2020 and graduated with a B.S. in Physics in spring 2022. During his undergraduate degree he participated in biophysics research under Dr. Roya Zandi. After graduating with his bachelors, he participated in the Mickey Leland Energy Fellowship as a research associate at the National Energy Technology Laboratory (NETL) in Pittsburgh, PA under the mentorship of Dr. Yuhua Duan. His project involved thermodynamic analysis of solid sorbent reactions for CO₂ capture. After the program, he continued his education at UC Riverside in fall 2022. Starting a PhD program in Electrical Engineering under the mentorship of Dr. Alexander Balandin. His research currently involves electrical, and thermal investigation of low dimensional van der waals materials. During the summer of 2023 he has interned again at NETL doing thermodynamic analysis of metal hydrides for hydrogen storage.

Contact information: Jordan.teeter@netl.doe.gov | teeter32@gmail.com



Adrian Garcia is a first-generation college graduate with both a Master of Science in Scientific Computing and Applied Mathematics (July 2023) and a Bachelor of Science in Applied Mathematics (July 2022) and a California native, with a passion for machine learning, statistics, data analytics, and high-performance computing. Previously, Adrian has been fortunate enough to work in a classroom setting teaching students Python for data analytics and advance linear algebra; although, he currently works as a MEISPP Intern at the U.S. Department of Energy in the Office of Economic Impact and Diversity/ Office of Energy Justice and Equity, and has the opportunity to collaborate with cross-functional teams to develop data-driven strategies in regards to funding practices, conduct exploratory data analysis, and develop research models to advance the knowledge of current Minority Serving Institution (MSI) barriers and how to mitigate them. In the future, Adrian hopes to become a senior data analyst or work in a technical role regarding scientific computing at one of the national labs, and feels lucky that the MEISPP program has made his dream a possibility.

Contact information: Adrian.garcia@hq.doe.gov

Afternoon Session Speakers



Dr. Arun Raju is a research faculty and Associate Director-Operations at the Center for Environmental Research and Technology (CE-CERT), at the University of California, Riverside (UCR). He also leads the Sustainable Fuels Initiative (SFI) at CE-CERT. As Associate Director, Dr. Raju leads the development of strategic plans and coordinates with research groups to prioritize long term growth and success. His research focus is on sustainable fuels production and use including hydrogen, Renewable Natural Gas, and biomass to energy. His research also involves energy systems analysis including electrification, high renewables grid management, techno-economic and life cycle assessment of energy systems. He has a Ph.D. in Chemical Engineering from UC Riverside. Before joining CE-CERT, Dr. Raju was the Director of Research at Viresco Energy, LLC and later served as the Director of Technology Development at Combustion Associates, Inc.

Contact information: Arun@engr.ucr.edu



Dr. Helena Khazdozian is a Senior Technology Manager for Advanced Materials and Manufacturing Technologies Office (AMMTO) at the Department of Energy (DOE), managing a critical materials research, development, and demonstration (RD&D) portfolio including the Critical Materials Institute. She joined AMMTO after completing a AAAS Science & Technology Policy Fellowship in which she supported critical materials work funded by the former Advanced Manufacturing Office. Helena is also the DOE Co-Chair to the Critical Materials Subcommittee of the National Science & Technology Council and coordinates research activities in the Office of the Undersecretary for Science and Innovation.

Before joining the U.S. Department of Energy, Helena spent two years as a researcher at the Ames National Laboratory, a U.S. DOE National Laboratory, evaluating critical magnetic materials in electric machines using finite element analysis. Helena has eight years' experience in renewable energy research. She earned her PhD from Iowa State University in Wind Energy Science, Engineering, and Policy with a co-major in Electrical Engineering and her MS in Electrical Engineering from University of Virginia.

Contact information: Helena.khazdozian@ee.doe.gov



Professor McKibben is a geochemist and economic geologist at U. C. Riverside who studies mineral and energy resources. He received his B.Sc. and M.Sc. degrees from U. C. Riverside in 1976 and 1979 and his Ph.D. degree from Pennsylvania State University in 1984. He completed his earliest graduate work on metallic mineralization in the Salton Sea geothermal field in the 1970s and was involved in deep scientific drilling and research in the field in the 1980s and 1990s. He was a consultant on early zinc and lithium extraction projects in the field in the 2000s. For a decade from 2009-2018 he was Dean of Students for the science college at UC Riverside, overseeing 6,000 students in thirteen majors. He also served as Chairman of the Department of Earth and Planetary Sciences from 2019-2021 during the Covid pandemic. He retired in 2021 but was recalled part-time as a UCR Research Professor in 2022 to work on assessing Salton Sea geothermal lithium resources with colleagues at Lawrence Berkeley Laboratory. He also serves as a technical advisor to the geothermal industry on Li extraction efforts and is a member of a Cornell-Utah-UCR research group competing as one of five finalists for the Dept. of Energy's \$4M Geothermal Lithium Extraction Prize. He was recently appointed to a NAS/GAO national panel of experts to assess the Recovery of Critical Minerals from Nontraditional Resources.

Contact information: Michael.mckibben@ucr.edu



Trelynd Bradley serves as the Deputy Director for Sustainable Freight and Supply Chain at the California Governor's Office of Business and Economic Development (GO-Biz). He oversees GO-Biz's newly established Office of Supply Chain, that seeks to advance and enhance California's broader goods movement and supply chain ecosystem.

In this role, and roles prior with the State, Tre has provided tailored consultation to corporate executives, local agencies, industry associations, and entrepreneurs on planning for infrastructure, navigating incentives, and ensuring business success in California. Over the years Tre has led several initiatives for the states such as critical material supply chain, Opportunity Zones, solar and energy storage permitting, and the California Port Data Partnership. He has an array of experience in business development working across a multitude of sectors, including clean energy, aerospace and defense, advanced manufacturing, biotech, tourism, technology, transportation, finance, freight, and real estate. Trelynd holds bachelor's degrees in Business Economics and Political Science from the University of California, Riverside and a Graduate Certificate in Applied Policy and Government from California State University, Sacramento.

Contact information: Trelynd.bradley@gobiz.ca.gov



Dr. Jessica Mullen is a Technology Manager at the U.S. Department of Energy's (DOE) National Energy Technology Laboratory (NETL) in Pittsburgh, PA. Dr. Mullen lends her scientific expertise and leadership to manage the Critical Minerals & Materials (CMM) Program. In this role since 2021, Dr. Mullen oversees CMM program execution which entails a robust research, design, development, and demonstration portfolio of projects built around feedstocks sourced from unconventional and secondary materials and with the goal of creating an environmentally benign, economically viable, just, technically feasible, stable and secure, domestic critical minerals supply chain necessary for the clean energy transition. Previously, Dr. Mullen was a Federal Project Manager for a variety of NETL-funded external research and development projects in technology areas including advanced sensors, rare earth elements, water management, and advanced materials, among others. Dr. Mullen earned mechanical engineering degrees from University of Missouri (B.S.) and University of Illinois (M.S./Ph.D.).

Contact information: Jessica.mullen@netl.doe.gov



Roger Lake received the Ph.D. degree in electrical engineering from Purdue University in 1992 and joined the Nanoelectronics Branch of Central Research Labs, Texas Instruments, Dallas in 1993 to develop the theory for the Nanotechnology Engineering Program which became known as NEMO. In 1997, the Nanoelectronics Branch was acquired by Raytheon, where he developed theory and designs for Si/SiGe MBE grown tunnel diodes. In 2000, he joined the Electrical Engineering Department, University of California Riverside and started the Laboratory for Terahertz and Terascale Electronics (LATTE) for investigating future electronic materials and devices. From 2006 - 2011, he served as Department Chair. He served as associate editor for IEEE Transactions on Nanotechnology (2006 – 2012), editor for IEEE Transactions on Electron Devices (2012 – 2015), and associate editor for Applied Physics Letters (2015 – present). He is a Fellow of the IEEE for 'contributions to quantum mechanical electronic device modeling.' His current research interests are in low-dimensional, magnetic, superconducting, and topological materials.

Contact information: Rlake@ece.ucr.edu



Dr. Jeremy Mehta works as a Technology Manager for The Advanced Materials and Manufacturing Technologies Office. In this role, Jeremy is responsible for the Critical Minerals and Materials portfolio, including the Critical Materials Institute, lithium extraction and separation activities, electronics stewardship, education and workforce development, and energy and environmental justice. Prior to this, Jeremy worked on strategic development as a AAAS Science and Technology Policy Fellow including the 2021 DOE Critical Materials Strategy and the 2022 National Strategy for Advanced Manufacturing. His expertise includes semiconductors and critical minerals with a focus on material security and sustainability.

Before joining AMMTO, Jeremy worked as a researcher for the Center for Advanced Microelectronics Manufacturing and Physics Department at Binghamton University in Upstate New York. There, he examined structure function relationships of active materials in solar cells, batteries, interconnects, and chemical sensors. He also managed the Research Experiences for Undergraduates program in Renewable Energy Generation and Storage.

Contact information: Jeremy.mehta@ee.doe.gov



Shane A. Cybart, Associate Professor, Director, Nanofabrication Facility and Senior Member of IEEE. Shane received the Ph.D. degree in materials science and engineering from the University of California, San Diego (UC San Diego), San Diego, CA, USA, in 2005. From 2006 to 2009, he was working as a Postdoctoral Scholar with the Department of Physics, University of California, Berkeley (UC Berkeley), Berkeley, CA, USA. He worked as a Project Scientist with UC Berkeley/Lawrence Berkeley National Laboratory (LBNL), from 2009 to 2013, and UC San Diego, from 2013 to 2016. In 2016, he was appointed as an Assistant Professor with UC Riverside, where he currently leads the Oxide Nano Electronics Laboratory. He is currently an Assistant Professor of Electrical and Computer Engineering with the University of California, Riverside. His present research interests focus on high-critical temperature superconducting materials, devices, and nanofabricated circuits using focused helium ion beam techniques; and research areas include high-transition temperature superconducting electronics, Josephson junction arrays, and superconducting digital circuits.

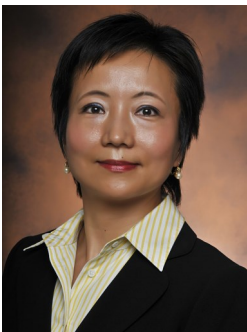
Contact information: Cybart@ucr.edu



Trina Bilal is a Program Manager within the Department of Energy's Office of Energy Justice and Equity's Minority Educational Institution office. As Program Manager, Mrs. Bilal is responsible for collaborating with internal and external stakeholders to develop, implement and manage nation-wide initiatives to advocate for the engagement of Minority Serving Institutions and historically underrepresented communities in Departmental programs and the national energy sector. Additionally, she serves as Co-Chair of the White House Initiative on Historically Black Colleges and Universities' (HBCUs) Federal Funding Opportunities Cluster leading the development and implementation of collaborative, sustainable, interagency strategies to improve the conditions under which HBCUs compete for the full range of Federal opportunities.

Mrs. Bilal holds a B.B.A in International Business with a Finance concentration from Howard University and an M.B.A. from Georgetown University.

Contact information: Trina.bilal@hq.doe.gov



Dr. Ping Ge serves as the Director for the Office of Workforce Development for Teachers and Scientists (WDTS), Office of Science, U.S. Department of Energy. Dr. Ge has over 10 years of leading STEM workforce development in Federal government. Before joining DOE, Dr. Ge was a program director in Education and Human Resource Directorate in National Science Foundation; formerly served on the faculty of Engineering at Oregon State University. She received her B.S. and M.S. in Automotive Engineering from Tsinghua University, Beijing, P. R. China, and her Ph.D. in Mechanical Engineering from University of Southern California under a Powell Doctorate Merit Fellowship. Dr. Ge is an active member of American Society of Mechanical Engineers (ASME) and American Society of Engineering Educators (ASEE).

Contact information: Ping.ge@science.doe.gov



As an accomplished Workforce Development and Talent Strategist with over 27 years of experience in diverse industries, Christopher Robin Nash has excelled in connecting individuals with the driving forces that ignite their professional growth and personal development. Throughout his career, he has worked with a wide range of companies, from Fortune 500 giants to small enterprises, as well as a National Laboratory.

Presently, Christopher plays a pivotal role as a vital member of NREL's esteemed Workforce Development Team as the Sr. Workforce Development Program Manager. He actively supports strategic partnerships and pathway programs with prestigious universities and organizations, collaborating closely with the recruiting team and NREL management to match top talent with the most fitting opportunities. By implementing innovative and data-driven strategies, he is a strong advocate for diversity and inclusion within the organization and maintains strong ties with academic institutions.

Driven by a profound commitment to making a difference in the world, Christopher's years of service at NREL provides him with a remarkable opportunity to contribute to global change in a meaningful way.

Contact information: <https://www.linkedin.com/in/christopherrobinnash/>



Marcus Giron is the Undergraduate Intern Program Manager for the National Renewable Energy Laboratory (NREL). He currently manages the largest intern program at NREL, the Department of Energy's Office of Science interns. Through this program, Marcus has brought in hundreds of interns to the lab (approximately 150 placements per year). Research being conducted is in various areas such as Energy Justice, circularity of energy materials, and basic energy sciences.

Marcus also coordinates the professional development for the interns, currently acting as a lead for the DOE's Office of Workforce Development for Teachers and Scientists Speaker Series working group, ringing in speakers for the entire national lab complex. He has also developed and delivered scientific communication curriculum for the interns at NREL, as well as colleges and universities throughout Colorado.

Marcus is a former math teacher with master's degrees in Science Education and Science Communication and Public Engagement.

Contact information: Marcus.giron@nrel.gov



Kelly Sturner is Program Coordinator at Argonne National Laboratory's Learning Center, where she helps middle and high school students envision potential futures in STEM fields. Each year, she helps thousands of students connect with science concepts and professionals firsthand through Learning Lab field trips, virtual escape rooms, summer camps (including Code Girls @ Argonne and Coding for Science), and the high school Exemplary Student Research Program (ESRP). Kelly wants to help students see science as a powerful tool to understand the world with life-changing experiences.

Contact information: Kmoran@anl.gov



Cait McGraw is the K-12 STEM education and outreach specialist at Idaho National Laboratory (INL), dedicated to igniting the passion for Science, Technology, Engineering and Mathematics (STEM) among young minds. With her multifaceted background in scientific research, education, and workforce development, Cait is a driving force behind the design and implementation of engaging outreach programs that inspire curiosity and shape the next generation of STEM leaders. Driven by a strong commitment to equity and inclusion, Cait is also dedicated to reaching underrepresented groups and promoting diversity within the STEM fields.

Prior to INL, Cait served as learning and development specialist at the Idaho Transportation Department, utilizing adult learning theory principles to develop evidence-based training and career development courses for department employees. She holds a bachelor's degree in biology from West Virginia University and a master's degree in natural resources with a specialization in experiential environmental education from the University of Idaho.

Contact information: Caitlin.mcgraw@inl.gov



Charlie Carrasco serves as the Senior Outreach Specialist within the Office of Diversity, Equity, Inclusion, and Accessibility (DEIA, ED-5), Office of Energy Justice and Equity for the US Department of Energy. Empowered through White House Executive Order 14035, Charlie drives DEIA outreach and engagement strategic actions to advance the attraction of unique and diverse talent, extend talent pipelines, and communicate with the American people to enable economic impact and growth within underserved and under-represented communities. Prior to joining the DOE, Charlie led Diversity, Equity, and Inclusion efforts within both private and public sectors for more than 20 years. He credits his evolution into the DEI space through his time serving in our nation's military where he directed Leadership Development, Equal Opportunity, and Diversity and Inclusion programs and offices. He has had the pleasure of spearheading many firsts that led to the advancement of LGBTQ+ policy and the removal of exclusionary barriers for women to serve in male-dominated roles.

Contact information: Charlie.carrasco@hq.doe.gov



Chester Scott is a Program Analyst within the Office of Energy Justice and Equity's Office of Minority Educational Institutions. Mr. Scott has several years of experience working with underrepresented communities and populations in the minority education and minority business sectors and advocates on their behalf to ensure they can fully participate in the programs at the Department. Additionally, Mr. Scott leads and manages the Department's Minority Educational Institutions Student Partnership Program. He collaborates with DOE program offices and national laboratories to promote the significance of providing a valuable work experience for summer interns.

Mr. Scott holds a Bachelor of Science degree in Management and Technology from University of Maryland, University College (UMUC). He is a native of North Carolina and a U.S. Army veteran. Mr. Scott is passionate about helping others and believes a positive attitude can clear all obstacles that stand between you and your life's purpose.

Contact information: Chester.scott@hq.doe.gov



James (Jimmy) Hendrix is currently assigned as a Management and Program Analyst in the Minority Business and Workforce Division within the Department of Energy's Office of Energy Justice and Equity. In this capacity, he strives to establish critical linkages amongst Minority Business Enterprises, industry, nonprofit organizations, federal agencies and state and local government agencies to promote economic development in underserved communities and build a more diverse and inclusive energy workforce; harnessing the full range of talent that the U.S. has to offer while sustaining America's historic legacy of ingenuity, creativity, and innovation.

Jimmy is a retired Air Force Logistics Officer with over 20 years of active-duty service. He held many different leadership and command positions, culminating his career as the Operations Officer leading and managing over 550 personnel in the execution of the daily operation of the largest aerial port in the Department of Defense. Jimmy served on several deployments throughout his military career, to include two combat tours in Afghanistan.

Contact information: James.hendrix@hq.doe.gov

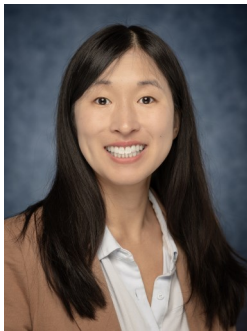


Nacole Morton is the Chief, for the Acquisition and Project Management Division for the Office of Energy Justice and Equity (EJE) at the Department of Energy (DOE). Nacole previously served as the Acting Corporate Services Director, Headquarters Procurement Services, and Procurement Division Branch Chief/ Team Lead in support of IN, EJE, EHHS, NE, OSBDU, LPO and other offices across the DOE complex.

Nacole is a true federal acquisition expert who held an unlimited Contracting Officer's Warrant and currently holds a warrant within JE. Her work experiences include serving as an Acting Division Director and contracting officer within DOE's Office of Procurement for over 13 years.

Prior to supporting DOE, Nacole served local communities as a program manager for Georgetown Technical College's Upward Bound Program and Big Brothers Big Sisters of Greater Columbia. She truly has a passion for supporting underserved individuals and communities.

Contact information: Nacole.morton@hq.doe.gov



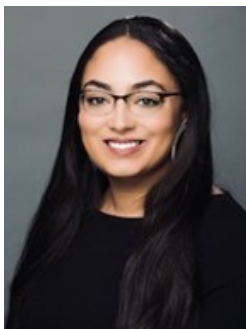
Emily Kessel-Qureshi is a Management and Program Analyst within the Department of Energy's Office of Energy Justice and Equity's Minority Educational Institutions Division. She leads educational and technical assistance efforts with Minority Serving Institutions (MSIs) and MSI stakeholders in collaboration with internal and external stakeholders. In her role, she develops, implements, and manages outreach and engagement initiatives and programs to foster partnerships and advocate for the participation of historically underrepresented communities in Departmental programs and the national energy sector. Previously, Emily was a Senior Legislative and Intergovernmental Affairs Specialist at the Minority Business Development Agency at the Department of Commerce and served as the Region 3 Co-Lead for the White House Initiative for Asian Americans, Native Hawaiians, and Pacific Islanders' Regional Network. Prior to entering the federal government, Emily worked in the nonprofit sector focusing on exchange visitor program management, policy analysis, and community engagement with immigrant communities. Emily is a graduate of the University of St. Thomas (B.A.) and University of Hawai'i Manoa (M.A.)

Contact information: Emily.kessel-qureshi@hq.doe.gov



Caleb Woodall works at the US DOE in the Office of Fossil Energy and Carbon Management, where he primarily helps manage the University Training and Research Program. This program provides early-stage R&D funding to universities, with a particular focus on HBCUs and other Minority Serving Institutions. Caleb has a strong interest in enabling everyone to contribute to preventing catastrophic climate change through sustainability and carbon management. He earned his BS in chemical engineering at the University of Arkansas and a PhD in chemical engineering at Worcester Polytechnic Institute where he took a multi-faceted approach to advance carbon mineralization including lab-scale experimentation, product utilization analysis, policy development, and youth outreach. He has a deep background in policy and technical analysis of industrial decarbonization and carbon removal through positions as a Postdoctoral Researcher at the Center of Global Energy Policy within Columbia University, a science analyst at Carbon Direct, and a policy fellow at ClearPath.

Contact information: Caleb.woodall@hq.doe.gov



Jasmine Anderson, M.S. (Sault Ste Marie Tribe of Chippewa Indians/Pamunkey) serves as a Management and Program Analyst, and TCU Lead in the Office of Energy Justice and Equity (Minority Educational Institutions Division) at the Department of Energy (DOE). She supports educational and technical assistance efforts with Minority Serving Institutions (MSIs) and MSI organizations. In her role she identifies and executes outreach and engagement plans to improve access to DOE opportunities for under-resourced and underserved MSIs and MSI stakeholders. Additionally, she fosters partnerships and advocates for MSIs to join the mission-critical work of the Department.

Previously, Jasmine worked as a Project Monitor with the Department of Energy's Office of Indian Energy Policy and Programs. Prior to entering the federal government, Jasmine worked in the nonprofit sector focusing on water safety and provided governmental support to Federally Recognized Tribes.

Jasmine is a graduate of the University of Mary Washington (B.A.) and the University of Maryland Global Campus (M.S.).

Contact information: Jasmine.anderson@hq.doe.gov



Dr. Faith Dukes currently serves as the Director of K-12 STEM Education Programs within the Government and Community Relations Office at Lawrence Berkeley National Laboratory. Her work is at the intersection of research, STEM education, policy, and diversity. Her work has led her to MIT Museum and National Science Foundation prior to moving across the country to work at Berkeley Lab. She holds a bachelors of science from Spelman College and completed her PhD in physical chemistry studying photocatalytic semiconductors at Tufts University.

Contact information: Fmdukes@lbl.gov



Maria Taydem has a PhD in chemistry, a Master's degree in Pastoral Studies, a micro-masters in Leading Educational Innovation and Improvement, and is a certified Project Management Professional. She started her career as a catalyst chemist in the petrochemical industry before making a switch to higher education. While in academia she has trained students in effective science communication and STEM outreach as the Director of Education and Outreach for an NSF-funded interdisciplinary research center, taught general and inorganic chemistry, and served as the Dean of Math and Science at a community college. She has led academic process improvement teams as an independent consultant, provides success coaching for STEM students, and since September 2021 has managed educational programs for ORISE.

Contact information: Maria.taydem@orau.org



Igrid Rosario Gregory has a bachelor's degree from the University of Puerto Rico, Mayagüez, and a master's degree from the University of Tennessee, Knoxville. Ms. Gregory moved to Oak Ridge, TN, to participate in a research program at Oak Ridge National Laboratory (ORNL) sponsored by the U.S. Department of Energy (DOE) and administered by Oak Ridge Associated Universities (now, the Oak Ridge Institute for Science and Education, ORISE). After completion of her research program, Ms. Gregory worked for the University of Tennessee in Knoxville, first as a research assistant, later as a laboratory manager. Ms. Gregory has more than 18 years of experience directing and managing a team of in-house resources within the ORISE Workforce Development program unit. In her current position as a Senior Manager, Ms. Gregory directs a portfolio of nationally known, competition-based federal educational and workforce development programs for DOE and other federal agencies.

Contact information: Igrid.gregory@orau.org | (865) 606-0366



Marie C. Martin, PhD, is the Associate Dean of Academic Affairs at the University of California, Riverside University Extension. She holds a Master of Public Administration from California State University, San Bernardino, and a doctorate in Higher Education Administration and Policy from the University of California, Riverside. Marie is an educator and published scholar on higher education, leadership, and management with over 15 years of experience in higher education administration in R1 universities, liberal arts colleges, and continuing education. Marie works with a growth mindset to advance Extension goals and ensure responsiveness to the educational needs of non-traditional learners, both domestic and international, through quality, rigorous courses and programs in areas such technology, sustainability, engineering, education, and management. Prior to working at the University of California, Marie was the Education and Outreach Coordinator for the Office of Sustainability at the University of Utah where she was tasked with creating cross-departmental teams to generate a campus climate action plan and initiating educational programs and policies to reach net-zero emissions goals.

Contact information: Marie.martin@ucr.edu



R. Andre De Rosa started Lamplighter Energy in 2002 to re-power existing wind farms, having grown to deliver over 2,300 MW of wind, solar, and hydro. In addition new initiatives in, Hydrogen, Energy Storage and Water Treatment Systems since 2011. With roles serving in finance, high tech and turn around team for a publicly traded company and a private R&D technology company. Mr. De Rosa studied Theology and Management at Moody Bible Institute and has helped start 7 international non- profits serving the disadvantaged in the US, Africa & Asia.

Contact information: Andre.derosa@lamplighterenergy.com



Tom Soto is a long-time investor in the impact sector. He was born & raised in East LA County & Pomona, California to two of the state's most well-respected Latino Civil Rights leaders. Soto has owned four PE funds, and now manage his family investment office, Latimer Partners, LLC with his husband of 18 years, Todd Soto. He's stood at the dovetail of energy, tech, cloud based and IoT platforms, renewable energy, and over many Fourth Industrial Revolution driven platforms where technology contributes to improving the human condition using AI, fintech, and blockchain, all well challenging LP's and tech platforms to embrace diversity, equity and inclusion. Between contributing to climate change initiatives; Clean Air Act Standards and forcing the removal of diesel from municipal procurement processes across the country and the need to decarbonize our economy, this all to promote a political process and regulatory framework needed to establish a clean economy driving the planet into a future of prosperity and abundance.

Contact information: Tom@tomsoto.com | 310-486-3340 | [Linkedin.com/in/tomsotolatimer](https://www.linkedin.com/in/tomsotolatimer)



Joyce is a third-generation farmer with over two decades of experience in food systems and agricultural sectors serving in private, public, and nonprofit capacities. As a Senior Project Manager in the City of Riverside's Community and Economic Development Department and City Manager's Office of Sustainability, Joyce leads agriculture and sustainability initiatives and related economic development programs in collaboration with stakeholder partners. Prior to joining the City, Joyce taught agribusiness at California State Polytechnic University Pomona. Joyce is an alumna of the California Agricultural Leadership Program, Class 39. She holds a Master's in Agriculture & Management from University of California, Davis, and a MBA from California State University, Sacramento.

Contact information: Jjong@riversideca.gov | 909-773-8158



Martha Lucia Orozco-Cárdenas, Ph.D., Director of Plant Transformation and Research Center. Orozco-Cardenas is the director of the Plant transformation Research Center at University of California Riverside. Her research is focused on the application of plant tissue culture, molecular biology and genetic engineering techniques to study gene function in the plant cells. She also collaborates with many UCR scientists who are investigating important genes in metabolic, physiological and developmental processes in different plant species. Dr. Orozco began her scientific career in the United States in 1991, working with Professor C. A. Ryan at the Institute of Biological Chemistry of WSU. The aim of her research was the use and development of *Agrobacterium*-mediated transformation techniques for the expression of foreign proteinase inhibitor genes in different plant species, including tobacco, tomato, potato, alfalfa, and *arabidopsis*.

Contact information: Martha.orozco-cardenas@ucr.edu



Dr. Ian Rowe is a Technology Manager with the U.S. Department of Energy's Bioenergy Technologies Office (BETO) within the Office of Energy Efficiency and Renewable Energy (EERE). In this capacity, Dr. Rowe is responsible for assisting with the overall strategy of the Office on numerous activities as well as managing a diverse applied R&D portfolio that focuses on the decarbonization of fuels and chemicals. Specifically, he manages projects in carbon dioxide (CO₂) utilization, biochemical conversion of biomass, and carbon management. He is currently leading the development of a CO₂-to-fuels strategic plan for the Office to direct R&D activities in this emerging field. He also served as the Designated Federal Officer for the Biomass R&D Board Technical Advisory Committee, where he led a diverse panel of experts as they provided recommendations on DOE, USDA and EPA bioenergy-related activities.

Prior to joining DOE, Dr. Rowe received his Ph.D. in Biochemistry from the University of Maryland under the advisement of Dr. Sergei Sukharev. Dr. Rowe has been with DOE for about seven years and he recently served as the Chief of Staff to the Deputy Assistant Secretary for Sustainable Transportation in EERE.

Contact information: Ian.rowe@ee.doe.gov



Dr. Jennifer Stokes-Draut conducts research on the economic, energy, and environmental implications of complex infrastructure systems at Lawrence Berkeley National Lab and UC Berkeley. She focuses primarily on innovative and integrated water systems, specifically evaluating tradeoffs and synergies between different water-related functions, including conveyance, treatment, and management of potable water, recycled water, wastewater, and stormwater throughout the economy. She also leads research to explore the interdependencies between food, energy, and water in a changing climate. She is currently serving as the deputy lead for the National Alliance for Water Innovation (NAWI)'s data, modeling, and analysis research. Jenn has a BS from the Georgia Institute of Technology and MS and PhD degrees from UC Berkeley, all in Civil and Environmental Engineering.

Contact information: Jstokesdraut@lbl.gov



Mark Lochbaum is a Senior Small Business Advocate with the Office of Small and Disadvantaged Business Utilization (OSDBU). He is the primary representative for OSDBU's HUBZone Small Business Program and is the Department's Mentor Protégé Program Manager.

Previously, Mark worked at the U.S. Department of Veterans Affairs (VA) as a Contracting Officer. Mark holds a Master of Business Administration from Frostburg State University and a Bachelor's Degree in Education from James Madison University. Mark is also FAC-C Level III Certified and an alumnus of the Leadership Excellence in Acquisition Program (LEAP) through the Partnership for Public Service.

Contact information: Mark.lochbaum@hq.doe.gov



Martin Kleckner, Director UCR SBDC. Mr. Kleckner has 28 years' experience in operations and business development in life sciences, healthcare, oil & gas, and cable television. He has advised over 115 emerging and Fortune 100 companies with corporate planning and strategy, commercialization and public policy throughout Europe, Asia & the Americas. He participated as founder or in five venture start-ups with two successful exits. He was a co-founder/Senior Vice President of RefluxMD.com, a Health 2.0 Internet company specializing in gastroesophageal reflux disease and Senior Advisor to Respiratory Technology Corporation (ResTech). He was co-founder of U P Laboratories in San Diego. Earlier he was an investor and lead business development for RegeneMed, a company creating three dimensional (3D) engineered liver tissue for use in drug discovery research; co-founder and Chief Business Officer for Salvino-Flex LLC wherein he managed the research and development of a chest tube insertion device, ultimately selling the company. He was also Director of Development for Science & Engineering Associates for the commercialization of a companion diagnostic technology for cervical, ovarian and oral/pharyngeal cancers and SpyFinder, a hidden camera locator.

Contact information: Martin.kleckner@ucr.edu

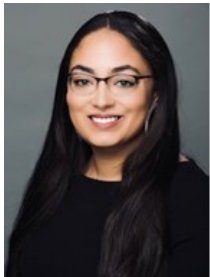
DOE and UCR Collaboration Team



Christy Jackiewicz, Chief,
Minority Educational
Institutions Division, Office
of Energy Justice and
Equity, DOE



Kathleen (Kathy) Eiler,
Senior Director of Federal
Relations, UC Riverside



Jasmine Anderson, TCU
Lead, Minority Educational
Institutions Division, Office
of Energy Justice and
Equity, DOE



Trina Bilal, Program
Manager, Minority
Educational Institutions
Division, Office of Energy
Justice and Equity, DOE



Kendall Burks,
Communications Director,
Research and Economic
Development, UC
Riverside.



Jill Barber, Events
Manager, University
Events, UC Riverside



Kennedy Byrd, B.S. in
Finance, HBCU graduate,
Benedict College



Adrian Garcia, B.S. in
Applied Mathematics, M.S.
in Scientific Computing and
Applied Mathematics,
University of California
Santa Cruz



Jamie Gomez, Senior Event Coordinator, Strativia Contractor, Office of Energy Justice and Equity, DOE



Dr. Nabih Haddad, STEM Research and Development Lead, Minority Educational Institutions Division, Office of Energy Justice and Equity, DOE



Karen Lerma, Manager and Program Analyst, Minority Educational Institutions Division, Office of Energy Justice and Equity, DOE



Emily Kessel-Qureshi, STEM Technical Assistance Lead, Minority Educational Institutions Division, Office of Energy Justice and Equity, DOE



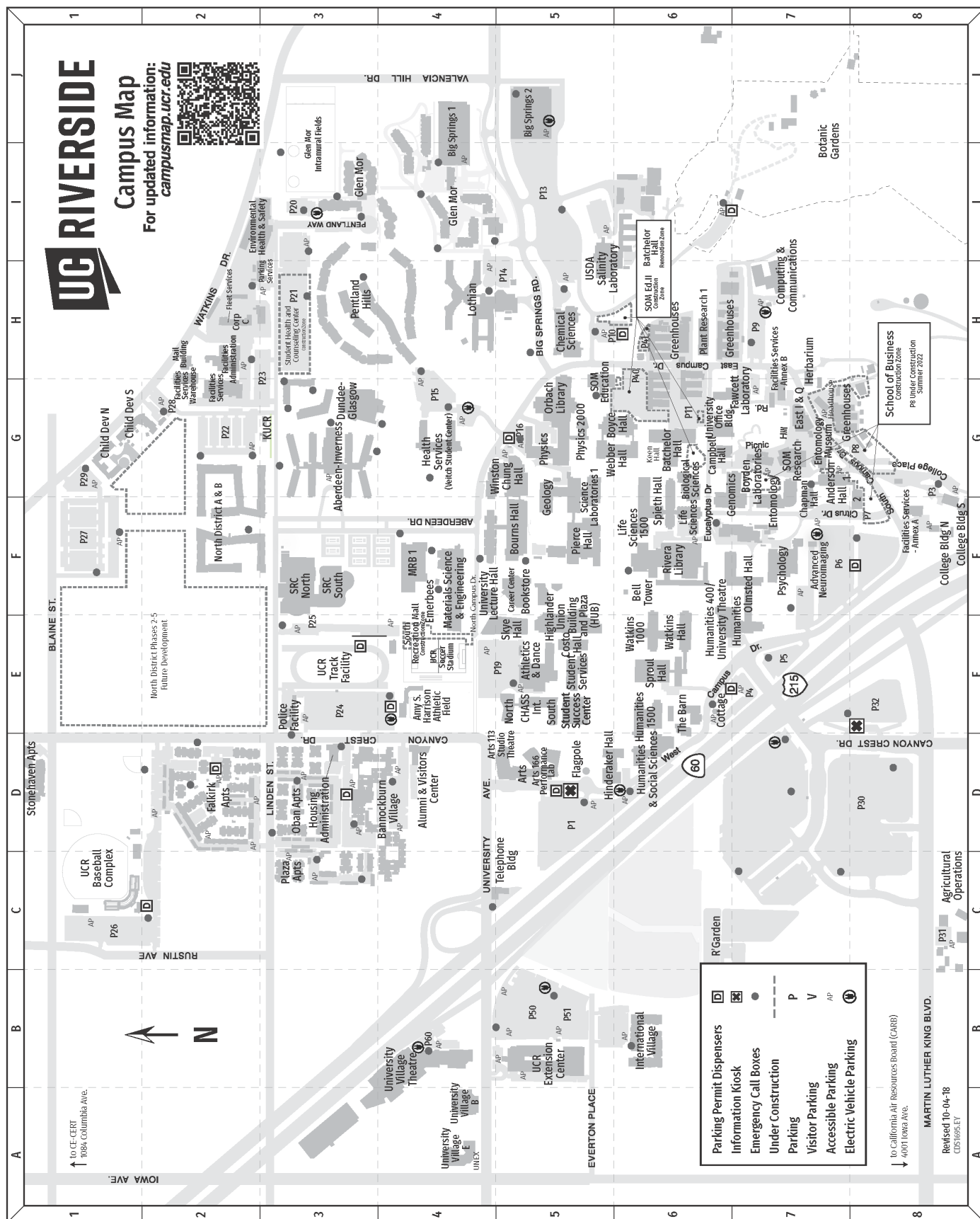
Julie C. Salgado, Director of Events for the College of Humanities, Arts & Social Sciences, UC Riverside



Chester Scott, Program Manager, Minority Educational Institutions Division, Office of Energy Justice and Equity, DOE

MAPS





UCR HIGHLANDER UNION BUILDING

LEVEL 1

HUB

- 101 HIGHLANDER NEWSPAPER
- 103 CATERING SERVICES
- 111 ASSOCIATED STUDENT PROGRAM BOARD
- 121 SCOTTY'S CONVENIENCE STORE
- 190, 191 COMMUTER & TRANSFER LOUNGE

HUB II

- 101 FRATERNITY/SORORITY INVOLVEMENT CENTER
- 105 BEAR'S DEN / R'PROFESSIONAL CAREER CLOSET

COSTO HALL

- 111 STUDENT CONDUCT
- 125 STUDENT DISABILITY RESOURCE CENTER
- 133 AFRICAN STUDENT PROGRAMS
- 145 CHICANO STUDENT PROGRAMS



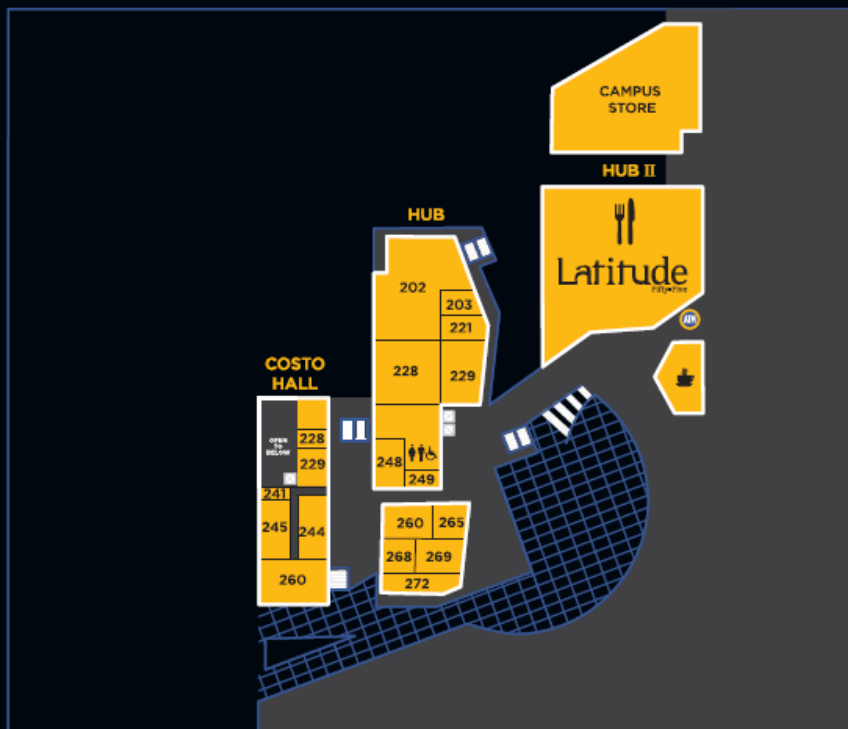
LEVEL 2

HUB

- 202 ASSOCIATED STUDENTS
- 203 GRADUATE STUDENT ASSOCIATION
- 221 SENATE CHAMBER
- 228 STUDENT ORGANIZATION WORK ROOM/STUDENT DESIGN CENTER
- 229 STUDENT LIFE
- 248, 249 THE WELL
- 260, 265, 268, 269 CONFERENCE ROOMS
- 272 LOUNGE

COSTO HALL

- 228 MEDITATION ROOM
- 229 NATIVE AMERICAN STUDENT PROGRAMS
- 241 HILLEL
- 244 ASIAN PACIFIC STUDENT PROGRAMS
- 245 LGBT RESOURCE CENTER



EXPO & CAREER FAIR



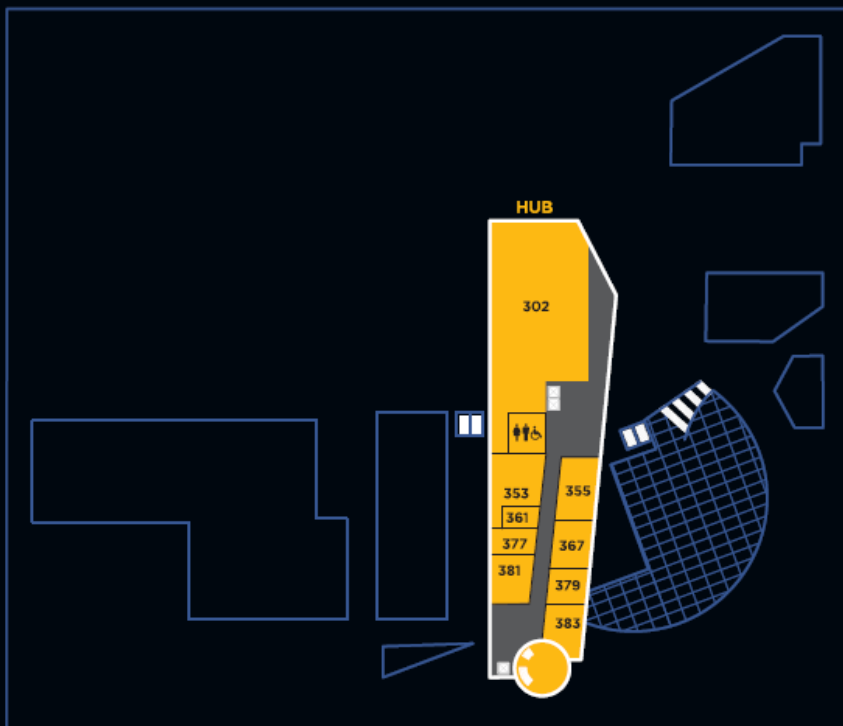
SCAN ME
for the EXPO layout and list of vendors

 **RESTROOMS**  **CASH MACHINE**  **DINING**  **INFORMATION**  **ELEVATOR**  **STAIRS**  **COFFEE BEAN & TEA LEAF**

LEVEL 3

HUB

302, 355, 367, 379
PROGRAMMING/CONFERENCE ROOM
353 HUB ADMINISTRATION
361 CARE
377 MIDDLE EASTERN STUDENT CENTER
381 DEAN OF STUDENTS
383 GRADUATE STUDENT LOUNGE



RESOURCES



STAY CONNECTED

DOE Office of Energy Justice and Equity, Minority Educational Institutions Division (MEI):

Contact the MEI team at MSIsupport@hq.doe.gov

For more department-wide resources, visit energy.gov (QR code 1)

Learn more about the Office of Energy Justice and Equity at energy.gov/diversity (QR code 2)

Interested in joining future events? Check out our Event Calendar at energy.gov/diversity/calendar-events (QR code 3)

Federal Intern Experience Program: <https://www.chcoc.gov/content/launch-federal-intern-experience-program> (QR code 4) and <https://www.opm.gov/current-interns/> (QR code 5)

Students and Recent Graduates Opportunities at a Glance: <https://www.energy.gov/hc/articles/students-and-recent-graduates-opportunities-glance> (QR code 6)



1



2



3



4



5

University of California Riverside

Learn more about getting involved with UCR at ucr.edu (QR code 7), careers.ucr.edu (QR code 8), Technology Partners at ucrotp.ucr.edu (QR code 9), and admissions.ucr.edu (QR code 10).



6



7



8



9

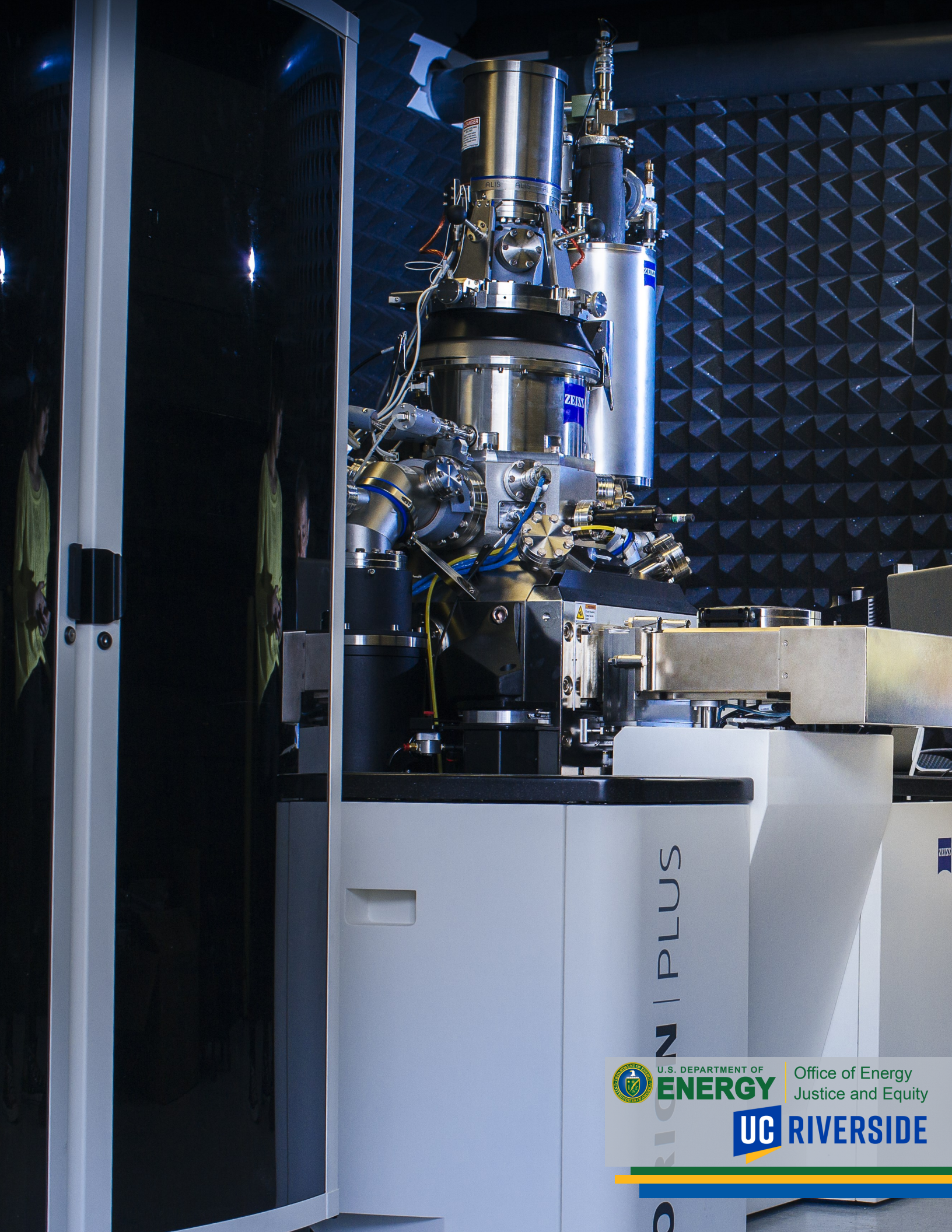


10

NOTES

NOTES





U.S. DEPARTMENT OF
ENERGY

Office of Energy
Justice and Equity



UC RIVERSIDE