



WOMEN IN SCIENCE CONFERENCE

INTERACTIVE PANEL DISCUSSION SESSION

AVIARY EDUCATION SPECIALIST

Aviary education specialists provide daily care and training for birds in their care. The birds aid the specialist in helping students and the public discover the unique characteristics and importance of the feathered species through observation and direct interaction. Providing the public with education regarding conservation and habitat is an important job duty, as well.

AVIATION & AEROSPACE SCIENCE CAREERS

If you're intrigued with everything aviation and aerospace, an aviation and aerospace science degree offers multiple pathways to make your dreams a reality. Career opportunities include professional aviators, aviation managers, airport planners, air traffic controllers, flight dispatchers, and more.

BATTERY ENERGY STORAGE SYSTEMS CAREERS

With a battery storage career, you can play an integral role in the transition to a clean and renewable energy economy. The term "battery storage" or BESS (Battery Energy Storage System) is a device deployed to store the energy generated by renewables, like solar and wind. This battery is then transported to the location of need where it allows for energy consumption. Job opportunities in the field include energy storage engineer, grid operator, and more.

FORENSIC SCIENCE TECHNICIAN

Guilty or not guilty? The fate of the accused in court lies with the evidence gathered at the crime scene. The job of the forensic science technician is to gather evidence and use scientific principles and techniques to make sense of it. It can be a grueling and graphic job, but very rewarding. If you like the idea of using science to help deliver justice, then you should investigate this career.

METEOROLOGIST

A meteorologist investigates atmospheric phenomena and interprets meteorological data gathered by surface and air stations, satellites, and radar to prepare reports and forecasts for public and other uses. Career roles include weather analysts and forecasters whose functions require the detailed knowledge of meteorology, and university researchers.

SUSTAINABILITY COORDINATOR

A sustainability coordinator helps an organization achieve its goals when it comes to sustainability and being environmentally friendly. It is their duty to develop and support environmental programs and implement policies and regulations in an effort to reduce environmental damages brought by an organization's operations. In their roles, they must gather and analyze data to identify which areas need improvement and conduct research to determine the ideal practices to attain sustainability.

Learn about these and more careers at okcollegestart.org



WOMEN IN SCIENCE CONFERENCE PANELIST

HEATHER CROPPER

SPECIAL AGENT
OKLAHOMA STATE BUREAU OF INVESTIGATION (OSBI)

Heather Cropper was born and raised in Western Oklahoma, where she graduated from Elk City High School in 2002. She attended college at Southwestern Oklahoma State University and majored in criminal justice. After college, Heather remained in Western Oklahoma where she was an Oklahoma Department of Corrections Probation and Parole Officer for approximately eight years.

Currently, Heather is a Special Agent in the Investigative Division of the Oklahoma State Bureau of Investigation (OSBI). She has been employed with the OSBI since 2016 and is currently assigned to the Crime Scene Unit in the South Central Regional Office where she has worked hundreds of violent crimes with local, state, and federal law enforcement agencies. She is one of twenty-two IAI (International Association for Identification) certified Crime Scene Investigators in the state of Oklahoma, and currently serves on the Board for the Oklahoma Chapter of IAI. Cropper is a member of the IAAI (International Association of Arson Investigators) and the Oklahoma Chapter of the IAAI. She is a member of the Oklahoma State Bureau of Investigation Agents Association and the Chair of the OSBI Major Crimes Conference planning committee. Heather is a certified FARO operator and FAA certified UAS pilot. She is a sworn member of the Safe Trails Task Force, holds an Advanced CLEET certification, and has had training in various subjects including Bloodstain Pattern Analysis, Crime Scene Investigations, Post Blast Investigative Techniques, Shooting Incident Reconstruction, Interviewing Techniques, Arson Investigations, etc.

In her free time, Heather likes to be outdoors whether it's watching her kids play sports, travelling with her husband, or being at the river.





WOMEN IN SCIENCE CONFERENCE PANELIST

CLAUDIA GARCIA

SUSTAINABILITY PLANNING & PERFORMANCE MANAGER ENEL GREEN POWER NORTH AMERICA

Claudia Garcia grew up in Portland, Tennessee and traveled every summer to Mexico to see family. She grew up in a bilingual setting, speaking Spanish and English while working in her family's restaurant. In high school Claudia noticed there was a lack of diversity in her surroundings and with support of a teacher decided to start an International Club for students that were interested in other languages and cultures. It was only the beginning of her exposure to global activities. In addition, she served on the Student Governance Board and was voted "Most Natural" her senior year. :-)

Claudia attended Tennessee Technological University and pursued a bachelor's degree in International Business and Cultures. During her junior year she studied abroad in Austria at the International University of Vienna. She was the first in her family to live abroad. Once she completed her bachelor's degree, she enrolled in Comillas Pontifical University in Madrid working on a Masters Degree in International Affairs: Economy, Politics and Law and completed her graduate studies at Georgetown University, Washington, D. C. During that time, she worked for Repsol, an Oil and Gas Company based out of Madrid in the Global Affairs Department.

Afterwards she went to work to the United Nations Food and Agriculture Organization headquartered in Rome, Italy. There she worked on climate and environment issues supporting least developing countries in establishing climate policies in the agriculture sector, traveling across the world, from Uruguay to Thailand. In 2019, Claudia decided it was time for a change and went back to school and enrolled in Harvard University for a Certification in Corporate Sustainability and Innovation. Doing this allowed her to learn how private companies were addressing key environmental, social and corporate governance issues.

Today, Claudia works at Enel North America in the role of Manager of Sustainability Planning and Performance. In that capacity, she monitors the company's contributions across the USA and Canada to meet the Sustainable Development Goals (SDG's) of the United Nations. She is fluent in Spanish, English, and Italian, which is an asset in her position.

Claudia enjoys living new adventures with her children, Clara & Gus, every day, often traveling to Spain and Mexico to see family. Claudia encourages all young women to not be afraid to branch out and pave a path for oneself and to explore the space of energy describing it as a fun space that links just about everything we do and see on the day-to-day.





WOMEN IN SCIENCE CONFERENCE PANELIST

ERIN OLLER

BUSINESS DEVELOPMENT DIRECTOR

**VERTICAL LIFT AND SPECIAL OPS & TRAINING AIRCRAFT AND
AUTONOMOUS SYSTEMS BOEING GLOBAL SERVICES MOBILE
THE BOEING COMPANY**

Dr. Erin Oller has worked in the aerospace industry for 23 years specializing in government affairs, business development, marketing, strategy, & program management. Since the second grade she has grown up with a love and passion for aerospace; attending flight and space camps from a young age all the way through high school, with the aspirations of working for a major aerospace organization. Erin was born and raised in Oklahoma City and received her bachelors and masters of science degree; both in aviation management, from Oklahoma State University. Additionally, she holds a doctor of education degree in aviation and space science, also from OSU.

In her current role as the Director of Business Development for The Boeing Company, she is responsible for leading a team focused on rotorcraft, autonomous and training aircraft services. There she helps develop and maintain customer relationships with the United States Air Force, Navy, Army and Marine Corps through sustaining platform support and achieving new business growth. As an life-long aerospace professional, Erin has held many leadership positions in and outside of Boeing. She has also served as an adjunct professor for Oklahoma State University's aviation program for the past 15 years, where she developed and teaches seven graduate level classes.

Erin is a member of Boeing Women in Leadership, Women in Aviation International and Aircraft Owners & Pilots Association. She serves as an advisory board member for Project Lead the Way and the Advanced Science & Technology Education Center. In her spare time, Erin loves to travel and is an avid cook. She has a passion for helping local communities by volunteering regularly at food banks and preparing meals for families through church organizations. She resides in St. Louis with her husband and their three teenaged daughters.





WOMEN IN SCIENCE CONFERENCE PANELIST

BRYONY PUXLEY

Ph.D. STUDENT & GRADUATE RESEARCH ASSISTANT
SCHOOL OF METEOROLOGY, UNIVERSITY OF OKLAHOMA

Bryony is from Plymouth, a port city located on the southwest coast of England, United Kingdom (UK). Having grown up on the ocean, Bryony loves going on walks along the seafront and listening to waves breaking on the shore. Throughout high school, science and math were always Bryony's favorite subjects, and she took as many opportunities as possible to do extracurriculars in these areas. She was a member of the geology and astronomy club, as well as participating in her school's Formula 24 team, where teams of students design and build an electric car to race at motorsport venues across the country. Her love for weather and atmospheric science came later, when she saw it as an amazing opportunity to blend her two passions, science and math, in an applied manner.

Bryony earned an undergraduate degree in Meteorology and Climate at the University of Reading, England before moving to the United States to complete her Master's degree in Meteorology at the University of Oklahoma. She is currently completing her Ph.D. within the School of Meteorology at OU, looking at rapid transitions between extreme rainfall and drought across the Southern Great Plains. In addition to working on her dissertation, Bryony's work also includes serving as the Chair on the Student Affairs Committee within the School and co-chairing the Graduate Climate Conference, an interdisciplinary climate conference run by graduate students for graduate students.

In her spare time, Bryony loves spending time with her two cats, Richie, a 3-year-old domestic tabby and Books, a 7-month-old kitten, who both love attention and snuggling. Additionally, Bryony loves spending time with her friends exploring new cuisines in the city, as well as playing games on her Nintendo switch. Bryony's favorite game at the moment is Animal Crossing!





WOMEN IN SCIENCE CONFERENCE PANELIST

JENNIFER RANDELL

EAGLE AVIARY DIRECTOR
CITIZEN POTAWATOMI NATION

Jennifer grew up in the small town of Bethel Acres, located just west of Shawnee, Oklahoma. She is a proud member of the Citizen Potawatomi Nation (CPN) tribe. She has always had a passion for the outdoors and wildlife, but her initial calling was to the arts.

Jennifer attended the University of Science and Arts in Oklahoma to pursue a degree in Fine Art like her grandmother and great grandmother had at the same university when it was previously known as the Oklahoma College for Women. However, that path changed drastically when she learned of the hardships and challenges Bald and Golden Eagles face after being injured in the wild. Often, these eagles cannot be rehabilitated for release and face euthanasia if they cannot find placement.

In 2008, Jennifer began her journey to care for Eagles. She approached her tribe in hopes that they would create a facility that offers a permanent home to injured eagles. The Potawatomi believe that the Eagle helps carry our prayers to the Creator. It seemed only right that we honor that connection and care for them. The tribe was eager to pursue the endeavor and was subsequently awarded a \$250,000 US Fish and Wildlife Service Tribal Wildlife Incentive Grant to establish the CPN Eagle Aviary. While only a handful of Native American Eagle Aviaries exist in the U.S., this facility was the first of its kind to incorporate culturally significant elements into the facility design while focusing on sound husbandry practices to provide eagles permanent homes in an environment created with enrichment intended to replicate their wild habitat. The Aviary also provides a source of naturally molted feathers to tribal members for cultural ceremonial use while providing the opportunity to reconnect people to the living Eagle, while focusing on education and conservation, providing knowledge of raptors and their ecosystems. Jennifer loves sharing how we might be better stewards of our lands and better neighbors to our non-human relatives

Jennifer received her Wildlife Rehabilitation Certification from the International Wildlife Rehabilitation Council and completed over 1000 hours of hands-on training in facilities such as Birds of Prey in Colorado, Sia: The Comanche Nation Ethno-Ornithological Initiative and the Grey Snow Eagle House in Oklahoma. The CPN Aviary has also been fortunate to work with the Raptor View Research Institute to implement a tracking telemetry protocol for eagles released from the Aviary. Since 2013, two eagles have been banded and fitted with GPS telemetry to monitor their progress with great success.

Jennifer also lives at the Aviary where she shares space with the eagles and other raptors that call the CPN Eagle Aviary home.





WOMEN IN SCIENCE CONFERENCE PANELIST

MAGGIE TELISKA

**BATTERY ENERGY STORAGE SYSTEMS TECH SERVICES MANAGER
ENEL GREEN POWER NORTH AMERICA**

Dr. Maggie Teliska grew up in upstate NY and enjoyed high school math and science classes. Upon graduation, she traveled to Boston to attend Boston College and majored in chemistry. After working a few years in Washington DC, she returned to school at The George Washington University to further her studies and was awarded a Ph.D. in Physical Chemistry.

Maggie sits on the Women's Energy Network Boston Chapter board as Treasurer and is the Careers Co-Chair for Browning the Green Space. In addition, she has authored and published several peer-reviewed articles in the power sources field, including as an ongoing contributor to the Axios Expert Voice series, an online news outlet. She is featured as a STEM Energy Superhero in the children's book "Everyday Superheroes: Women in Energy Careers," released in July 2022.

Maggie has worked for 20 years designing and deploying power sources, including batteries and fuel cells, for the US Navy and private manufacturers. Currently, she leads the battery energy storage systems technical services group at Enel Green Power. This role involves managing the technical information and problem-solving for large-scale batteries. The batteries will store the energy we generate from wind turbines and solar panels for use when the electric grid experiences a lot of demand, such as air conditioning, electric car charging, etc. In addition, the batteries can help make our aging electric grid more resilient by providing seamless power when needed so that when you flip a switch, the lights will turn on.

Maggie lives north of Boston with her husband and cat. She enjoys writing, competing in fiction contests, crafting, and spending time with friends.

