A Cybertraining Program to Advance Data Acquisition, Processing, and Machine Learning based Modeling in Marine Science

Time: 05/20/2024 – 05/24/2024
Sponsor: Funded by NSF
Place: University of North Carolina Wilmington

Overview: The training program aims to advance the adoption of data science/machine learning cyber infrastructure by marine science researchers and enhance researchers' abilities in utilizing cyberinfrastructure tools. To enhance diversity, equity, and inclusion in marine sciences, we strongly encourage participation from junior researchers at community colleges and minority-serving institutions.

Workshop participants will receive three meals daily and lodging, and each participant can apply for an up to $600 stipend, used to support travel to and from Wilmington, NC.

Successfully completing the program, workshop participants will:

- be able to use Python and related packages/toolkits for marine science data acquisition, analysis, and visualization
- gain basic Python programming skills (variables, loops, conditionals, etc.)
- have hands-on experience with machine learning and data science topics, and know how to apply them in solving marine science-related research questions
- get familiar with Cyberinfrastructure (CI) techniques, and migrate research projects from local machines to CI
- get familiar with version control with GitHub

Eligibility:
Seating is limited to 15 participants. The program is limited to currently enrolled **graduate students** (Master's and Ph.D.) and **undergraduate students** (juniors and seniors as of Fall 2024) in **marine science-related disciplines**.

Important dates:
Application Window: 02/01/2024 – 04/02/2024 (priority consideration date 03/04/2023)

Notification Date: On or before 04/15/2024

Need more information/Want to apply? Visit our website: bit.ly/UNCW2024CI

If you are given the approval to attend, please notify us immediately if an urgent matter prohibits your attendance so we can reach out to a waitlist.