

## SEE Environmental Science and Geology Department Presentations at AGU 2024 (faculty, students, alum)

*Only the lead authors are listed below. Co-authors include SEE students and SEE faculty.*

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AGU is a global community supporting more than half a million advocates and professionals in the Earth and space sciences (<https://www.agu.org/>). Over 25,000 attendees are anticipated at the annual meeting, this year held in Washington, D.C. December 9-13. If you are one of those 25,000, stop by the SEE Environmental Science and Geology booth in the Exhibit Hall (#765).

### Monday, 9 December:

- **Poster [8:30am-12:20pm]:** Kelsey Barker (Rowan GEOL PhD Student)— Polythermal conditions for the southeastern Laurentide Ice Sheet as determined through <sup>36</sup>Cl exposure ages and ice-sheet modeling [Abstract #1737002]
- **Talk [8:50-9:00 am]:** Lily Pfeifer (Rowan GEOL Faculty)-- Recurrence Rates of Explosive Volcanism in Paleo-equatorial Pangaea and the Effects of Volcanic Ash Loading on Biogeochemical Cycling Near the Peak of the Late Paleozoic Icehouse [Abstract #1646809]
- **Poster [1:40-5:30 pm]:** Jessica Slotter (Rowan EVSC/GEOL Undergrad)-- Variations in Regional Assessment Strategies for Sea Level Rise and Coastal Flooding within the U.S. [Abstract #1598793]

### Tuesday, 10 December:

- **Talk [9:10-9:20 am]:** Kenzie Weaver (Rowan EVSC Alumni, Current UPenn PhD Student)-- Seasonal Variations of Tropical Cyclone Genesis and Landfall Patterns Impacting Southeast Asia in a Warmer Climate [Abstract #1597376]
- **Poster [1:40-5:30 pm]:** Andra Garner (Rowan EVSC Faculty)-- From Classroom to Community: Communicating Sea-level Rise Science and Solutions [Abstract # ED23C-2401]

### Wednesday, 11 December:

- **Oral Session [8:30-10:00 am]:** Jennifer Walker (Lead Convener; Rowan EVSC Faculty), Andra Garner (Co-Convener; Rowan EVSC Faculty)-- Dynamic Coastlines amid Changing Sea Levels: Advancements in Understanding of Coastal Hazards and Climate Change Impacts [GC31E]
- **Poster Session [1:40-5:30 pm]:** Jennifer Walker (Lead Convener; Rowan EVSC Faculty), Andra Garner (Co-Convener; Rowan EVSC Faculty)-- Dynamic Coastlines amid Changing Sea Levels: Advancements in Understanding of Coastal Hazards and Climate Change Impacts [GC31E]
- **Poster [1:40-5:30 pm]:** Amy Appollina (Rowan EVSC Undergrad)-- Analyzing Use-metrics from Scientific Sea-level Rise Projections to Understand Knowledge Gaps [Abstract #1595790]

- **Poster [1:40-5:30 pm]:** Kenzie Weaver (Rowan EVSC Alumni, Current UPenn PhD Student)-- Establishing a Modern Baseline for Potential Evolution of Nor'easter Characteristics in a Changing Climate [Abstract #1596858]

Thursday, 12 December:

- **Poster Session [8:30-12:20 am]:** Corianne Tatariw (Co-convenor; Rowan EVSC Faculty)-- Wetlands to Wetlandscapes: Role of Wetlands as Nature-Based Solutions to Enhance Watershed Services [H41V]
- **Poster [8:30am-12:20pm]:** Christina Kolman (Rowan EVSC Undergrad)-- Pre- and Post- PFAS Distribution in Lower Atlantic City Reservoir and Connected Streams in New Jersey. [Abstract #H41H0628]
- **Poster [1:40-5:30 pm]:** Thivanka Ariyaratna (Rowan EVSC Faculty)-- Stormwater Heavy Metal Distribution in Camden, New Jersey. [Abstract #H43C0877]
- **Oral Session [16:00-17:30 am]:** Corianne Tatariw (Co-convenor; Rowan EVSC Faculty)-- Wetlands to Wetlandscapes: Role of Wetlands as Nature-Based Solutions to Enhance Watershed Services [H44H]

Friday, 13 December:

- **Poster Session [8:30am-12:20pm]:** Harold C. Connolly (Co-Convenor; Rowan GEOL Faculty)—Significance of Past and Future Sample Return Missions for the Earth and Space Sciences [U51C]
- **Talk [8:40-8:50 am]:** Andra Garner (Rowan EVSC Faculty)-- The Evolution of Sea-level Rise Projections [Abstract #1568041]
- **Poster [8:30-10:00 am]:** Jennifer Walker (Rowan EVSC Faculty)-- Comparison of Common Era Relative Sea Level on the Atlantic Ocean and Delaware Bay Shores of New Jersey [Abstract #1596615]
- **Poster [1:40-5:30 pm]:** Jessica Slotter (Rowan EVSC/GEOL Undergrad)--A multi-species approach to reconstructing the eastern equatorial Pacific thermocline during the Last Glacial Maximum [Abstract #1598793]
- **Poster [13:40-17:30]:** Korie DeBellis (Rowan GEOL PhD Student)-- A Multi-species Approach to Reconstructing Subsurface Conditions in the Eastern Equatorial Pacific and its Relationship with Surface Variability Over the Last 2,000 Years [Abstract #PP53C-0650]
- **Poster [13:40-17:30]:** Megan Ngo (Rowan GEOL PhD Student)-- Reconstructing the Central Tropical Pacific Thermocline During the Last Glacial Maximum Using Planktic Foraminifera [Abstract #PP53C-0652]
- **Poster [13:40-17:30]:** Gerald T Rustic (Rowan GEOL Faculty)-- The relationship between tropical Pacific subsurface conditions and ENSO variability: Insights from thermocline reconstructions in the eastern and central tropical Pacific [Abstract #PP53C-0649]
- **Oral Session [16:00-17:30 am]:** Harold C. Connolly (Co-Convenor; Rowan GEOL Faculty)—Significance of Past and Future Sample Return Missions for the Earth and Space Sciences [U54A]