



# CSAAPT Spring 2024 Semi-Virtual Meeting

## Saturday, March 16, 2024

### BOA 217: Morning Session 1C - BOA 217 (9:00 AM - 10:00 AM)

-Conveners: Chair: Laura Akesson; Zoom Chair: Lianxin Xin

| time    | [id] title  | presenter          |
|---------|---|--------------------|
| 9:00 AM | [13] Experimental Projects for a Capstone Engineering Physics Course at Delaware State University                                   | MARCANO, Aristides |
| 9:15 AM | [4] Sticking point: The Role of Quantum Mechanics in Gecko Wall Climbing, and How to Create Synthetic Gecko Tape.                   | Prof. DAS, Kausik  |
| 9:30 AM | [12] Using hand-held visual accelerometers and the CER Framework in student-centered classrooms to talk through FCI misconceptions. | WAGNER, Judson     |
| 9:45 AM | [3] Canceled - DOD STEM RESOURCES   | MESINA, Josephine  |

### BOA 217: Morning Session 2C - BOA 217 (10:30 AM - 11:45 AM)

-Conveners: Chair: James Freericks; Zoom Chair: Aristides Marcano

| time     | [id] title   | presenter             |
|----------|--|-----------------------|
| 10:30 AM | [16] Building Student Interest in Quantum Careers: Quantum Pathways Programs                         | ROSENBERG, Jessica    |
| 10:45 AM | [24] Tautochrone and Brachistochrone   | TAKEUCHI, Tatsu       |
| 11:00 AM | [49] Empowering STEM Education: The Delaware Space Grant Consortium's Innovative Approach            | HIGGIN, Dwight        |
| 11:15 AM | [19] Mechanical Oscillations With and Without Damping - An Analog Computer Physics-Themed Simulation | BISCHOF, Ryan         |
| 11:30 AM | [29] Inertia   | Dr TOBIAS, William A. |