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Cleveland Section**

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**Your AIChE Awards Have Landed!**



**Thursday, April 21, 2022, 6 PM**  
**AIChE Awards for NEOSEF Students**

Student Awards by: Joseph Spagnuolo, PE: CEO, Holistic Engineering, Inc., Westlake, OH  
Presentation by: Jennifer A. Wade, PhD; Program Director, Petrology & Geochemistry, National Science Foundation  
Subject: "Supporting Science in the Coldest, Windiest, Driest Place on Earth (Antarctica)"

**Abstract:** Today we are celebrating the AIChE Special Judging Awards to students that participated in the NEOSEF. The NEOSEF was established in 1953, the Northeastern Ohio Science and Engineering Fair (NEOSEF) is a non-profit, all volunteer organization, whose goal is to get young adults interested in science and engineering by participating in a science and engineering competition. The Fair has been held every year since 1954 and is affiliated with the Intel International Science and Engineering Fair (ISEF).

During the event, approximately 300 students from over 50 schools in the area provided virtual science fair presentations to discuss their projects with 260+ judges and compete for more than \$20,000 in prizes. One of the most rewarding aspects of NEOSEF is the opportunity for the students to discuss their research with professional scientists and engineers from the local area.

At the fair students compete in nine categories which are subdivided by grade levels. NEOSEF awards one 1st place, and multiple 2nd place, 3rd place and honorable mentions per subdivision. Students also compete for over 300 Special Awards totaling more than \$15,000 that are donated by companies, societies and organizations.

NEOSEF selects students to move on to the next levels of competition: The International Science and Engineering Fair (ISEF) and Society for Science and the Public Broadcom MASTERS Program. NEOSEF selects up to four 9-12th Grade Grand Prize Winners to attend ISEF where they compete with almost 1,500 students from all over the world for over \$4,000,000 in scholarships and prizes. NEOSEF also nominates students from grades 7-8 to compete in the [Broadcom Masters Program](#) competition.

Since 2000, NEOSEF Grand Prize Winners have earned:

Three 4th Place awards  
Two 3rd Place awards  
Three 2nd Place awards  
Three 1st Place awards  
and two Best of Category Awards  
along with many Special Awards at the ISEF

NEOSEF has also had 44 Semi-Finalists and 4 Finalists in the Broadcom Masters Program.



**April 21, 2022 AIChE Awards to NEOSEF Students**

- Carl Cort.....University School, Cleveland Heights
- Tim Toliver.....Hawken School, Chesterland
- Matthew Devine.....University School, Hunting Valley
- Brandon Hemrock.....Notre Dame Elementary School, Chardon
- Robert Allison.....St. Mary of the Assumption School, Mentor

**Keynote Speaker's Biography:**

**Jennifer A. Wade, PhD**, Program Director, Petrology & Geochemistry, GEO / Division of Earth Sciences, National Science Foundation, Alexandria, VA; Dr. Wade manages the Petrology & Geochemistry program in NSF's Division of Earth Sciences. This is the program that funds research on volcanoes, the chemistry of the Earth, and how the Earth has evolved since it formed. She specializes in analytical geochemistry, which uses tools like microscopes, lasers, and other beams to study rocks and minerals, which in turn tell us about volcanic eruption style or the recycling of elements at tectonic boundaries. She has also managed the Antarctic Earth Sciences program at NSF, and will share her experiences on the ice during this past season. Reference the Petrology & Geochemistry (CH) solicitation: <https://beta.nsf.gov/funding/opportunities/petrology-and-geochemistry-ch-0>  
**Bonus:** April 10<sup>th</sup> Cleveland International Film Festival will host "Antarctica" <https://www.clevelandfilm.org/films/2022/after-antarctica>

The Student Awards, presentations and Dr. Wade's presentation will be from a Zoom virtual meeting format, and those interested in attending will make their arrangements through the AIChE attached link below. AIChE will Email the Zoom link to attendees the day before the meeting. Professionals will receive a PDH certificate and students will receive a National Engineers Week certificate. Thank you!

**Meeting Location: Zoom link to be Emailed to attendees on Wednesday, April 20<sup>th</sup>**

6:00 – 6:30 pm: Gathering Time & Announcements

6:30 – 7:30 pm: Student Presentations & Awards

7:30 – 8:30 pm: Presentation by Dr. Jennifer A. Wade, NSF

**Cost:** (no cost)

**Menu:** (Zoom Virtual Meeting, no meal)

**RSVP by Monday, April 18<sup>th</sup> with Joe Yurko at: [j.yurko@sbcglobal.net](mailto:j.yurko@sbcglobal.net)**



**Cleveland Section 017 of  
THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS  
Steering Committee 2021 - 2022**

