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## American Institute of Chemical Engineers, Cleveland Section

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**Thursday, April 22, 2021, 6 PM, Earth Day**



## AICHE Virtual Awards Recognition for NEOSEF Students

By Joseph Spagnuolo, PE, Holistic Engineering, Inc., Westlake, OH

**Please both RSVP below and register to attend the event by sending an E-mail to [jgspag@aol.com](mailto:jgspag@aol.com)**

**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 22, 2021 AICHE Awards to NEOSEF Students

Rachael Tomasko.....	Padua Franciscan High School
Dylan Berr.....	University School – College Prep
Ruth Anand.....	Home School
Jessica Toohig.....	Beaumont School
David Anand.....	Home School
Vishwum Kapadia.....	University School – College Prep
John Anand.....	Home School

### **Biography:**

**Joseph G. Spagnuolo, PE, MBA, FAICHE.** Joe has 51 years of heavy industry experience. He has worked with Rotary Dryer/Kiln and Fluidized Bed Design, Start-up, and Troubleshooting. He has designed unique equipment for specific processes and managed a project to build a million-gallon propane unloading/storage/production facility to produce natural gas equivalent for residential, commercial, and industrial users.

Joe has a 41-year background in Industrial Water Treatment for Power Plants, Steel Mills, Paper Mills, Chemical Plants, Food Plants, and Automotive Plants. He has also earned Unescorted Access to 2 nuclear power plants in Ohio.

Joe holds a BSE in Chemical Engineering from the Fenn College/Cleveland State University (1970), has been a Registered Professional Engineer in the State of Ohio since 1971, and holds an MBA in Systems Management (1981). Joe was elected an AICHE Fellow in 2014.

Joe started Holistic Engineering Inc. in 1996 and continues today to provide Innovative Process and Energy Management Solutions.

The AIChE April meeting will be from a **Google Meetings** virtual format. Please RSVP by April 20<sup>th</sup> through the AIChE attached link below. You may need to add a Google Meeting App to your PC system prior to the meeting. Thank you!

## AIChE April Meeting - NEOSEF Winners

Thursday, April 22 · 6:00 – 8:00pm

Google Meet joining info

RSVP Video call link: <https://meet.google.com/xiz-kqbg-snu>

**Meeting Location:** *Google Meeting link for the meeting RSVP listed above.*

6:00 - 8:00 pm: Google Meeting  
with Questions & Answers

**Cost:** (no cost)

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

**RSVP by April 20<sup>th</sup> via:** <https://meet.google.com/xiz-kqbg-snu>

