



# ACS-GHS June 2021 Newsletter

## Upcoming Events

June 15<sup>th</sup> - ACS President Dr. H. N. Cheng Seminar

June 29<sup>th</sup> - June Seminar - Dr. Corina Rogge

July 13<sup>th</sup> - WCC Virtual Networking

August TBA - YCC's Virtual Mentorship Event

September 14<sup>th</sup> - 2021 GHS Elections Nomination Deadline

September 15<sup>th</sup> - 2021 GHS Awards Nomination Deadline

[Check our website and below for details on these upcoming events.](#)

## An Evening With ACS President Dr. H. N. Cheng

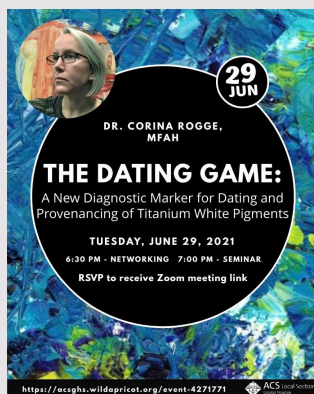
Dr. Cheng, 2021 President of the American Chemical Society, will join us for networking and to discuss the future of chemistry in a seminar entitled *New Frontiers, Innovation, and Entrepreneurship in Chemistry*



**Tuesday, June 15<sup>th</sup>**  
Via Zoom  
6:00 pm - Networking Hour  
7:00 pm - Seminar & Questions

To RSVP for the Zoom link or for more details [click here](#)

## June Seminar - Dr. Corina Rogge

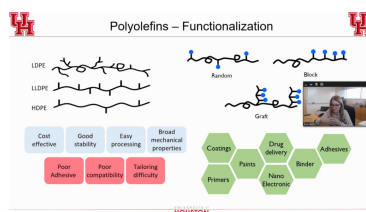


Dr. Rogge, Andrew W. Mellon Research Scientist at the Museum of Fine Arts, Houston and the Menil Collection will join us to describe how analytical chemistry can help distinguish between different titanium pigments in *The Dating Game: A New Diagnostic Marker for Dating and Provenancing of Titanium White Pigments*.

**Tuesday, June 29<sup>th</sup>**  
Via Zoom  
6:30 pm - Networking  
7:00 pm - Seminar & Questions

To RSVP for the Zoom link or for more details [click here](#)

## Miss the May Seminar?



The ACS-GHS was proud to host Dr. Eva Harth as our first seminar speaker of 2021 on May 27<sup>th</sup>. Dr. Harth is Director of the Welch Center of Excellence in Polymer Chemistry at the University of Houston, and spoke to attendees about the development of a single catalyst platform that can build polyolefin-polyacrylate block copolymers. Thanks to Dr. Harth for enthusiastically sharing her work with us, and to all our seminar attendees. For more details about the talk, [click here](#).

## WCC Virtual Networking



WCC is hosting a Virtual Networking event with the **Association for Women In Science (AWIS)** on Tuesday, July 13, 2021 @ 6:30pm. Join us for an introduction to our two organizations as well as enlightening discussions. An attendant will receive a \$25 gift card at random!

**Tuesday, July 13th**  
Virtual  
6:30 pm

To RSVP or for more details [click here](#)

## YCC's Virtual Mentorship August Event

Our goal with this event is to connect young professionals with more experienced professionals to discuss career challenges and obtain guidance to further develop within their field.

Please note that this event is NOT a recruitment opportunity! This an opportunity to connect with other professionals in your field/geographical area for the mutual benefit of mentorship.

Interested in becoming a *mentor* or *mentee*? Please complete this [survey](#). (The Mentor to Mentee ratio will be determined by participant interest.)



## Interested in getting more involved with ACS-GHS?

We are preparing for our annual fall election and have open positions with a variety of term lengths. This year, we will be electing the following positions:

- 1 Chair-Elect (3-year term)
- 1 Secretary (2-year term)
- 3 Councilors (3-year term)
- 3 Alternate Councilors (3-year term)
- 1 Alternate Councilor (1-year term)
- and 4 Directors (1-year term)

More information on the responsibilities and duties of each position can be found in the [ACS-GHS Organization and Operations Manual](#).

If you are interested in running for any of these positions, please send a brief biography and headshot to [acs-ghs@acs-ghs.org](mailto:acs-ghs@acs-ghs.org) with the subject "2021 GHS Elections" and indicate the position(s) you would like to run for. Nominations will be accepted until **September 14, 2021**.

## GHS Awards: Call for Nominations

Know someone that has done outstanding work for ACS-GHS? Nominate them for either a local or national award. Please visit our [website](#) for nomination details and past winners. Information on ACS Regional awards can be found [here](#). Direct all inquiries and submit all nomination packets by **September 15, 2021** at [acs-ghs@acs-ghs.org](mailto:acs-ghs@acs-ghs.org).

## National Chemistry Olympiad



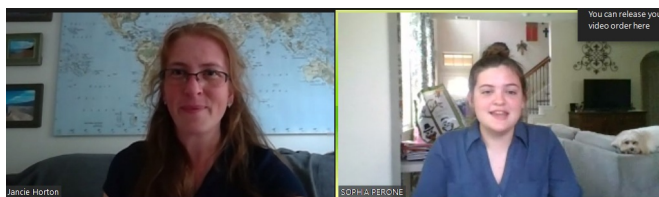
All 16 high school students, who were nominated from the section, participated in the National Chemistry Olympiad competition virtually in the first stage. Seven were then invited among the 150 some students nationally to enter the second stage.

The Greater Houston Section is proud of the selection (two years in a row!) of Phoenix Wu and Yitian Zhu from Seven Lakes High School among the twenty finalists nationwide to join the virtual [Study Camp](#) for the International Chemistry Olympiad. Great job and congratulations!

## ACS-GHS Student Awards

The ACS-GHS Student Awards were presented virtually on May 20<sup>th</sup>. The Science and Engineering Fair (SEFH) Chemistry Category winners in both the Senior and Junior Divisions were on hand to present their excellent projects. Congratulations to all the SEFH Students on their excellent achievement in the category of Chemistry! Many thanks to Dawn Friesen, Roxie Allen, Jerry Yang, Lisa Houston and Kerry Spilker for organizing the event. Missed the ACS-GHS Student Awards? Watch it [here](#).

### SEFH Junior Division First Place Winner Sophia Perone and teacher, Janice Horton



### SEFH Senior Division First Place Winner Zhi-Wei "Steven" Zeng and mentor, Ying Feng

Design

challenge	improvement
Commonly used copper mesh is <b>soft</b> , and <b>relatively expensive</b> .	Coating the <b>strong</b> , <b>stable</b> and <b>low-cost</b> stainless-steel mesh with copper.

Step 1: making Cu coating:  
Electroplating

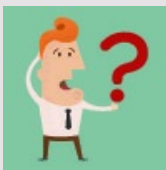
Step 2: forming nano-needles:  
Oxidation using sodium hydroxide + ammonium persulfate

Step 3: hydrogel coating:  
1) sodium alginate  
2) calcium chloride

mesh + Cu coating + nano-needles + hydrogel

$\text{Cu}(\text{OH})_2$  nano-needles

## Guess the Molecule - June Clue



It is summer time, so make sure to remember sun-protection! I have a high refractive index and serve as a pigment.

What compound am I? *Answer must be submitted [here](#) by 11:59 pm on June 30, 2021 to be entered for the drawing.*

May's Answer: Syringol

STAY CONNECTED

