



***35<sup>th</sup> Annual Meeting  
of the  
Allegheny-Erie Society of Toxicology  
Regional Chapter***



**Erickson Alumni Center  
West Virginia University  
Morgantown, WV  
May 31–June 1, 2022**

## ***Role of Toxicology in Sustainable Product Development and New Approach Methodologies***

The theme for the 2022 Allegheny-Erie Society of Toxicology meeting will focus on the role of toxicologists in sustainable product and advanced materials development and how novel approach methodologies contribute to this effort. Keynote speakers will headline each of three scientific sessions. Graduate students, postdoctoral scholars, and young investigators will have the opportunity to meet with our experts and present their research in each session.

### Meeting highlights:

- 1) Graduate and undergraduate student “*Lunch with an Expert*” meeting.
- 2) Poster sessions on all toxicological subjects.
- 3) Poster tours for undergraduate students with expert members.
- 4) Awards for best presentation, best methodology, best overall poster, and best undergraduate poster.
- 5) Sponsors & Exhibitors will be present to exhibit state-of-the-art services and scientific equipment.

**Undergraduate Researchers and Mentors:** Attend, present your current research, network, and benefit from unique programming for students. Travel support is available.

For additional information, please contact Britt McAtee, PhD, A-E SOT President ([mcatee@ppg.com](mailto:mcatee@ppg.com)) or Lizzie Bowdridge, PhD, A-E SOT President-Elect ([ebowdrid@hsc.wv.edu](mailto:ebowdrid@hsc.wv.edu)).

A-E SOT Website: <http://www.toxicology.org/isot/rc/allegheny>



## PRELIMINARY SCHEDULE

### Tuesday, May 31

9:00–10:30 Registration

10:45–11:00 Welcome and Announcements

#### *SYMPOSIUM 1:*

##### 11:00–1:00 Sustainable Nanomaterial Product Development

10:45 Introduction/Symposium Overview (moderator – Dr. Lizzie Bowdridge)

11:00 **Keynote Speaker: Gino Scarano; US EPA, Senior Advisor; “New Approach Methodologies in the TSCA New Chemicals Program: Challenges and Opportunities.”**

12:00 Zachary Clemens “A novel 3D model to probe the cell-autonomous effects of arsenic on skeletal muscle physiology and regeneration.”

12:20 Rachel Baur “Exposure to the antimicrobial chemical triclosan disrupts keratinocyte function and skin integrity in a model of reconstructed human epidermis.”

12:40 Britt McAtee, PPG, “The Role of Toxicology in Sustainable Produce Development: PPG’s Tox Tools.”

1:00–1:15 Break

#### *SYMPOSIUM 2:*

##### 1:15–3:30 Environmental Toxicology

1:15 Introduction/Symposium Overview (Moderator – Dr. Britt McAtee)

1:30 **Pam Spencer: ANGUS Chemical Company, Sr VP Regulatory, Product Stewardship, & Quality (formerly with Dow for 30 years): “It’s Natural, It Must be Safe – Said No Toxicologist Ever! Challenges and Opportunities of Botanical Safety Assessments in Personal Care Products.”**

2:30 Kallie Schafner, “Fetoplacental health outcomes from maternal inhalation exposure to propylene glycerol, vegetable glycerin, and ethyl methylphenylglycidate.”

2:50 Julie Griffith, “Maternal Nano-Titanium Dioxide Inhalation Exposure During Gestation Alters Placental Cyclooxygenase Metabolites in a Sex-Specific Manner.”

3:10 Data Sciences International (DSI) presentation

3:30–3:45 Break

3:45–6:30 Poster Session – Networking – Refreshments

6:30 Announcements and Adjourn



## **Wednesday, June 1**

8:00–9:00     Registration and Breakfast  
                  A-E SOT Business Meeting

### *SYMPOSIUM 3:*

9:30–11:30    Toxicological Stressors

9:30     Introduction/Symposium Overview (moderator – Dr. Timothy Nurkiewicz)

9:45     **Keynote Speaker: Dr. Jon Busada, West Virginia University; “Stress and sex regulation of gastric inflammation.”**

10:45    Yuchen Sun, “Epigenetic regulation of maternal arsenic exposure on offspring asthma risk.”

11:05    Evan DeVallance, “Maternal ENM Inhalation Alters F1 Generation Chromatin Accessibility and Leads to Increased XO Activity and Microvascular Impairment.”

11:25    Lizzie Bowdridge, “Maternal Engineered Nanomaterial Exposure During Gestation Affects Metabolic Parameters and Reproductive Outcomes in F1 and F2 Females.”

11:45–12:45   “Lunch with an Expert” & Networking.  
                  Sign up by emailing Britt McAtee ([mcatee@ppg.com](mailto:mcatee@ppg.com))

12:45–1:00    Awards

1:00            Closing Comments and Adjourn



## **MEETING REGISTRATION**

Please contact Britt McAtee, PhD, A-E SOT President ([mcatee@ppg.com](mailto:mcatee@ppg.com)) if you plan to register late (on-site) so we can plan accordingly for programs.

- \_\_\_ \$90 - full/associate member
- \_\_\_ \$150 - non-member
- \_\_\_ \$45 - member: post-doctoral fellow or graduate student
- \_\_\_ \$90 - non-member: post-doctoral fellow or graduate student
- \_\_\_ \$55 - retired
- \_\_\_ \$165 - late, on-site registration
- \_\_\_ \$0 - high school or undergraduate student
- \_\_\_ \$0 - high school or undergraduate chaperone

**Credit Card Payment/Registration (SOT login required - member & non-member options exist):**

**[Online Registration](#)**

### **Check Payment/Registration:**

Please complete the section below; make checks payable to: **ALLEGHENY-ERIE SOT**, and mail to:

SOT Regional Chapters  
11190 Sunrise Valley Drive, Suite 300  
Reston, VA 20191

\_\_\_\_\_  
Name

\_\_\_\_\_  
Company

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Telephone / Email Address



## **LODGING**

A block of rooms has been reserved under the “Allegheny Erie Society of Toxicology” at a local hotel, near the meeting venue. Free parking is also available at the WVU Alumni Center (during the day only). Rooms may still be available at the meeting rate of \$109.00/night (plus taxes and incidentals):

### **Holiday Inn (Morgantown)**

1188 Pineview Dr.

Morgantown, WV 26505

PHONE: 304-241-6649

## **DIRECTIONS TO THE ERICKSON ALUMNI CENTER**

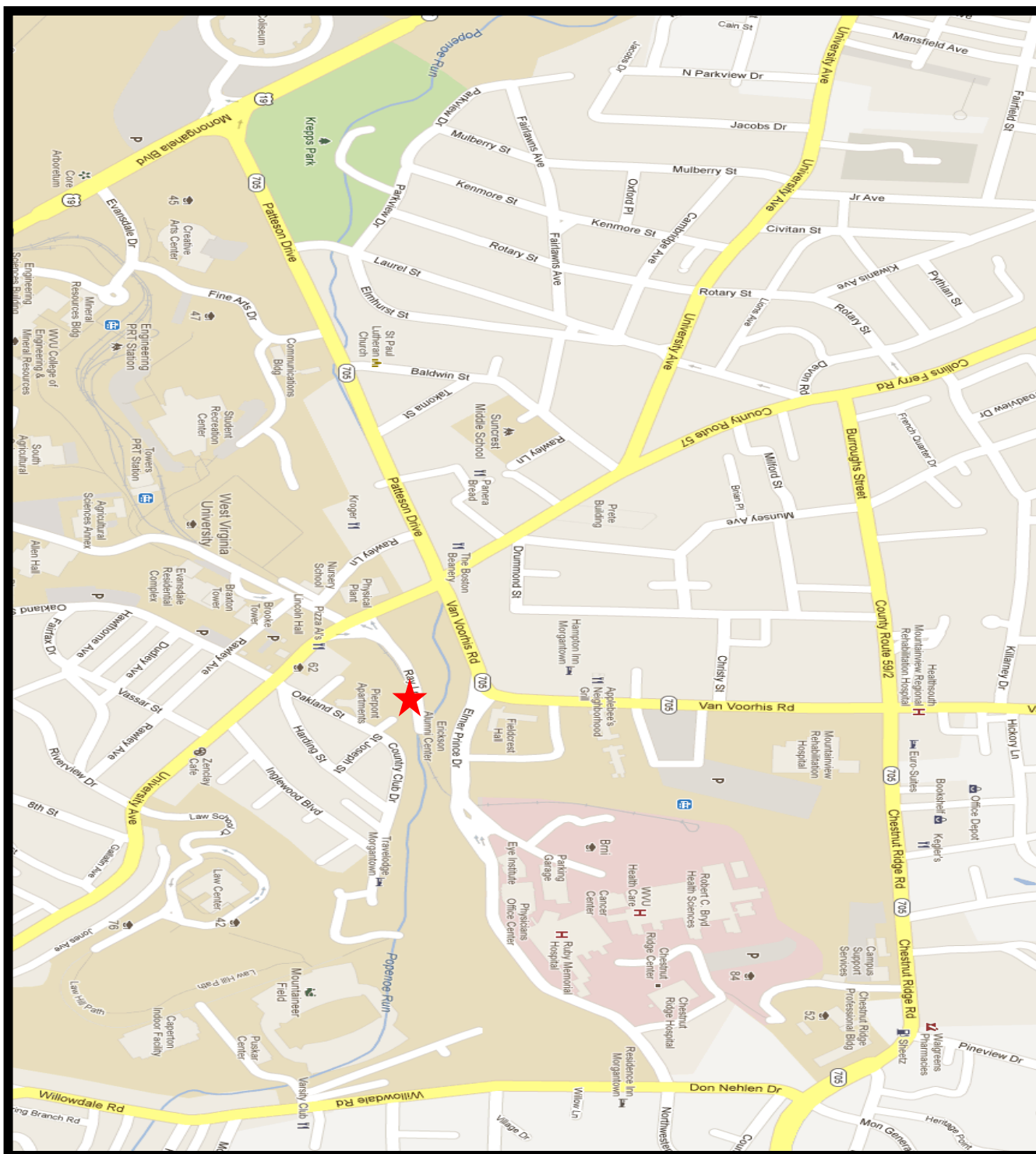
### ***From I-79 North or South***

1. Take I-79 Exit 155 at Star City. At bottom of exit ramp, bear right if traveling north, left if traveling south.
2. Bear to the right at the traffic light at Sheetz on Route 7
3. Make a left onto Patteson Drive at the traffic light at the Coliseum and merge into the right lane
4. At third traffic light, turn right onto University Ave.
5. Turn left at the first traffic light onto Alumni Dr. (formerly Medical Center Dr.). Parking is available in the lot on the right.

### ***From I-68 East***

1. Take I-68 East to Exit 7 (Airport/Pierpont Road) and turn right (Merge into middle lane)
2. Go straight through first traffic light
3. At the second traffic light, turn left onto 119 South
4. Go through traffic light (the airport will be on your left)
5. At the next traffic light, turn right onto 705
6. Go through five traffic lights
7. At the fifth light, turn left onto Van Voorhis Road
8. Go through one traffic light and get in the left-hand lane. Turn left at the next traffic light onto University Ave.
9. Turn left at the first traffic light onto Alumni Dr. (formerly Medical Center Dr.). Parking is available in the lot on the right.







# CALL FOR ABSTRACTS

- 1) Abstract submission deadline to be eligible for awards: May 9, 2022
- 2) Abstract submission guidelines (see template):
  - a. No more than one page in length with a character limit of 2300. This includes title, body, authors, institutions, and spaces.
  - b. Single spaced, 11-point Arial font
  - c. Title should be UPPERCASE and bold
  - d. Authors' Names: First and middle initial, if desired, (no punctuation) then last name (*Ex. PC Zeidler-Erdely, P Stapleton*)
- 3) Abstract submission:
  - a. Submit abstracts in the online portal.
  - b. Indicate in your e-mail your status as a Graduate Student, Post-Doctoral Fellow, or Young Investigator (typically <10 years after earning Doctoral degree). Also, indicate your presentation preference: Poster, Oral, or either. Notification of oral presentation will be given by May 13<sup>th</sup>, 2022.
- 4) Meeting dates: May 31–June 1, 2022
- 5) Location: Erickson Alumni Center; West Virginia University; Morgantown, WV 26506

**Contact Britt McAtee, PhD, A-E SOT President ([mcatee@ppg.com](mailto:mcatee@ppg.com)) (<http://www.toxicology.org/isot/rc/alleggheny/index.asp>) for further information.**





# ABSTRACT EXAMPLE

**PLACE TITLE HERE (With Maximum Two Lines If Needed)**

**First Author's Name<sup>1</sup> (first name initial, middle initial, last name), Second Author's Name<sup>2</sup>, Third Author's Name<sup>3</sup>, ....**

<sup>1</sup> *First author's affiliation, City, State*

<sup>2</sup> *Second author's affiliation, City, State*

<sup>3</sup> *Third author's affiliation, City, State*

The body of your abstract begins here. It should be a clear summary of your presentation that states the problem, the methods used, and the major results and conclusions. No more than one page in length with a character limit of 2300. This includes title, body, authors, institutions, and spaces. Single-spaced, 11-point Arial font.

To be considered for awards, abstracts are to be submitted by May 9, 2022. The content of the abstracts will be the basis for acceptance of either an oral or poster presentation at the A-E SOT meeting. The members of the Program Committee will review the abstracts and authors will be informed about acceptance for an oral presentation at the conference by May 15, 2022.

(Funding/Support)

