

# ACS Division of Chemical Health & Safety

## Fall 2016, Philadelphia, PA 252nd National Meeting

### Program Chair Report

Debbie Decker, Joe Pickel, Frankie Wood-Black

San Diego was a jam-packed meeting with three days of programming, 40 papers/posters presented, and a strong presence at Sci-Mix, organized by Joe Pickel. Ralph Stuart and Sammie Sigmann planned a full day on Tuesday, focused on Developing, Implementing and Teaching Hazard Assessment Tools. The afternoon was devoted to a presentation and short-form workshop, facilitated by Mary Beth Mulcahy, on the “Bow Tie” methodology to enhance incident investigation and hazard assessment. It was a refreshing change from our traditional symposium format and was very well-received.

For Fall 2016, in Philadelphia, we have another packed meeting with six symposia, a poster session, and a strong Sci-Mix presence planned. The symposia planned are here:

- **Division of Chemical Health & Safety Awards**  
D. M. Decker, D. Walters, Organizers
- **Americans with Disabilities Act & Accommodations in the Laboratory**  
C. Sweet, E. Sweet, Organizers
- **Sci-Mix**  
J. M. Pickel, Organizer
- **Ask Dr. Safety: Chemical Security in Research Institutions**  
H. J. Elston, N. R. Langerman, Organizer,
- **Safety & Ethics in our Chemical Community – Poster Session**  
D. M. Decker, N. R. Langerman, Organizers
- **Chemical Safety in the K-12 Classroom**  
J. M. Pickel, Organizer;
- **Chemical Safety in Public Policy**  
R. Stuart, E. Sweet, Organizers;
- **Biochemistry of Cannabis**  
J. Marcu, Organizer

The poster session, scheduled for Tuesday morning, has had strong interest with 20 posters planned. It's a departure for the Division in its technical programming. There was such good feedback from the workshop presentation in San Diego that the programming committee decided to try a similar event for Philadelphia. It will be interesting to see how it's received by attendees.

On Monday evening, Russ Phifer has planned the 4<sup>th</sup> quadrennial, “Chemistry you can Taste!” wine and cheese reception. Held in the Marian Mitchell Garden at the Philadelphia History Museum, it promises to be a wonderful event in beautiful surroundings.

For Spring 2017 in San Francisco, the symposia which will appear in the Call For Papers include Best Practices in Selecting and Presenting Safety Training Content, Ask Dr. Safety: Preparing Useful Standard Operating Procedures, Early impacts of the Lautenberg Chemical Safety Act, What have we learned and where are we going, post-Settlement in the University of California, Information flow in Environmental Health and Safety, Cannabis: emerging challenges in regulations, product analysis and processing, Health and Safety Posters. Deadline for submissions is October 31<sup>st</sup>.

For Fall 2017 in DC, there's a fair amount of enthusiasm and activity around a PRES symposium. Stay tuned for more details on that.

## TECHNICAL PROGRAMMING

### Sunday, PM Session

Downtown Marriott Independence III

#### Division of Chemical Health and Safety Awards

*Cosponsored by CCS and CHED Presiding:*

D.M. Decker

1:30: Introductory Remarks.

1:35: Evolutions of the Collaboration between the Safety Office and the Department of Chemistry at Duke University. **W. Thomann**

2:05: Establishing a Safety Culture in a New Research Lab: Communication, Repetition, and Accountability. **B. Morgan**, A.E. Hargrove

2:35: Safety in Undergraduate Chemistry: It Takes the Whole Department. **T.E. Woerner**, S.W. Baldwin, P. McMillan

3:05: Reflections of a career: Where you end up when you don't know where you are going. **S. B. Sigmann**

3:35: Past, present and yet to be achieved: A personal chemical safety journey by a synthetic chemist. **L.H. Latimer**

4:05: Concluding Remarks.

### Monday, PM Session

Marriott Downtown Grd Blrm Salon K

#### Americans with Disabilities Act and Accommodations in the Laboratory

*Cosponsored by CCS*

*Organizer & Presiding:* C. Sweet, E. Sweet

1:30: Introductory Remarks.

1:35 . Overview of the Federal regulations that require physical accessibility in labs & the "Building Blocks of Accessibility" that apply in lab settings. **J. Perry**

1:55 . Special Health and Safety Considerations for Persons with Disabilities Who Work in Scientific Research, Testing, or Teaching Laboratories. **J. Baum**

2:15 . Accommodations and Modifications in Postsecondary Education for Students with Disabilities. **J. Zesski**

2:35 . Americans with Disabilities Act, Technical Assistance Centers: Who we are and what we do. **C. Sweet**

2:55 Intermission.

3:10 . Adapting Undergraduate Chemistry Laboratories for Students with Disabilities: Institutional Responsibilities and Practices. **S.M. Kennedy, J. Boval**

3:30 . Accommodations for Laboratory Students with Low Vision. **S.M. Kennedy, J. Boval**

3:50 . Brief overview of service animals under the Americans with Disabilities Act. **C. Sweet**

4:10 Closing Remarks.

### DivCHAS Executive Committee Mtg.

*Sunday, Aug, 21, 8:00 to Noon*

*Marriott Downtown, Grd Blrm Salon C*

### Committee on Chemical Safety

*Monday August 22, 7:00 AM - Noon*

*Marriott Downtown – Franklin 1/2*

### Wine and Cheese Reception

**Monday Evening, August 22nd**

**5 - 7 PM**

*Philadelphia History Museum*

*At the Atwater Kent*

15 South 7<sup>th</sup> St., Philadelphia

*Sponsored by:*

*Workrite Corp.*

*Chem Service, Inc.*

*WC Environmental, LLC*

*Midwest Chemical Safety*

## WORKSHOPS

All workshops are at the Pennsylvania Convention Center

**Fri. Aug. 19th (8:30 AM to 4:00 PM)**

**Laboratory Waste Management**

*Room 123*

**Sat. Aug. 20th (8:30 AM to 4:00 PM)**

**How to be a More Effective Chemical Hygiene Officer**

*Room 123*

**Chemical Reactivity Hazards: Laboratory Scale Recognition & Control**

*Room 124*

Coffee is available at 8:00 AM

One hour (no host) lunch break.

## 252nd ACS National Meeting & Exposition Philadelphia, PA August 21-25, 2016

### DIVISION OF CHEMICAL HEALTH AND SAFETY

Debbie Decker,  
Frankie Wood-Black,  
& Joseph Pickel  
**Program Chairs**

Please plan on attending the Division of Chemical Health and Safety's Technical Program and Workshops in Philadelphia in 2016. We have listed for your consideration our workshops and technical programming. We believe we have put together the best technical program to help you be successful and work safely in your laboratory.

## Monday, Sci-Mix

Convention Center, Halls D/E

*Cosponsored by CCS*

*Organizer:* J. Pickel

8:00 - 10:00 PM

*Posters presented are the same as those presented at Tuesday morning's poster session.*

## Tuesday, AM Session

Marriott Downtown Grd Blrm Salon K/L

### Ask Dr. Safety: Chemical Security in Research Institutions

*Cosponsored by CCS and I&EC*

*Organizing & Presiding:* H. J. Elston, N. R. Langerman

8:30: Introductory Remarks.

8:35: Laboratory Coats for the 21st Century. **J.M. Spruell**

8:55: Navigating CFATS in Academia. **R.M. Izzo**

9:15: Addressing Chemical Security Concerns for a Research Institution. **M.B. Koza**

9:35: Ask Dr. Safety: Chemical security in research institutions. **N.R. Langerman**, H.J. Elston

10:05: Concluding Remarks.

## Tuesday, PM Session

### Chemical Safety in the K-12 Classroom-Oral

*Cosponsored by CCS*

*Organizing & Presiding:* J. M. Pickel, D. M. Decker

1:30 Introductory Remarks.

1:35 . Challenges and Opportunities affecting safety in the k-12 classroom. **L.M. Stroud**

2:00 . Incorporating basic chemical hygiene concepts into the secondary education methods course for pre-service science teachers. **S.B. Sigmann**

2:25 . Revising CHED's "Minimum Safety Guidelines for Chemical Demonstrations". I.G. Cesa, D.C. Finster, S.B. Sigmann, **M.R. Wilhelm**

2:50 . Practical approach to NFPA 45. **R. Stuart**

3:15 Intermission.

3:30 . Enhancing safety in a chemistry high school classroom: ACS Science Coach approach.. **Y.I. Gonzalez**

3:55 . Challenges and opportunities affecting safety in the K-12 classroom. **D. Krone**

4:20 . Challenges and Opportunities affecting Safety in the K-12 Classroom. **S. Hawkins**

4:45 Panel Discussion.

## Tuesday, AM Poster Session

### Safety and Ethics in our Chemical Community

*Cosponsored by CCS*

*Presiding:* D. M. Decker, N. R. Langerman

10:30 - Noon

- Division of Chemical Health and Safety Information Poster. **J.M. Pickel**
- Building the Cannabis Chemistry (CANN) Subdivision at the ACS: Sowing the Seeds of Change. **E.M. Pryor**, J. Marcu, M.J. Wilcox, E.L. Oltermann
- Vacuum System (VS) and Schlenk Line (SL) Safety. **T. Chandra**
- 3D Printing hazards enjoy operating 3D in a safe and environmentally friendly Way!. **P.J. Mulrooneyz**
- Compliance versus Commitment: An Undergraduate's Perspective on Safe Practice in the Research Lab. **N.K. Fredstrom**, S.R. Hitchcock, G.M. Ferrence
- Establishing a Safety Culture in a New Research Lab: Communication, Repetition, and Accountability. **B. Morgan**, A.E. Hargrove
- Empowering graduate students to lead a culture of safety: Developing a peer-education chemical safety training workshop. **C.J. Siburt**, D. Besse, M.G. Glesner, B. Krzyzanowska, P. McMillan, B. Morgan, T.E. Woerner, Y. Xu
- Laboratory incidents in the University of Sonora: students' perspective. **C.R. Alvarez Chavez**,
- R. Ruiz-Talavera, L. Marín-Ramírez, F. Muñoz-Osuna, R. Perez-Rios, A. Zavala-Reyna, M. Arce-Corrales
- Risk Perception in Laboratory Students of the University of Sonora. C.R. Alvarez Chavez, **K. Pérez-Gómez**, F. Muñoz-Osuna, L. Marín-Ramírez, L. Velazquez-Contreras, J. Esquer-Peralta
- Re-organizing the CPT undergraduate guidelines to elevate the status of safety and ethics in the chemistry curriculum. **D.C. Finster**
- Incorporating chemical safety and security into the undergraduate curriculum. **U.J. Williams**
- Understanding current practices in safety education in chemistry departments – A survey. **R. Stuart**, E. Sweet, S.B. Sigmann, L. McEwen, R.H. Hill
- You have 5 minutes with your elected representative. What would you ask him or her to do related to safety? **F.K. Wood-Black**
- Good Neighbors – What does it take to be a good neighbor? **F.K. Wood-Black**
- What's in a code of conduct? **F.K. Wood-Black**
- Safety surveys of the chemistry community. **R. Stuart**, L. McEwen, E. Sweet
- Establishing a safe workplace culture: Teaching and modeling behavior. **M.A. Thomson**
- Safety and ethics in ACS and major engineering societies: A gap analysis. **D.R. Kuespert**
- Your thoughts on incorporating SAFETY and ETHICS into ACS Core Value Operations. **N.R. Langerman**

## Wednesday, AM Session

Marriott Downtown Grd Blrm Salon K

### Chemical Safety in Public Policy

*Organizers & Presiding:* R. Stuart, E. Sweet

8:30: Introductory Remarks.

8:40: Sustainable chemistry and public policy. **R.J. Garant**

9:00: Evaluating Risks – Understanding multiple perspectives. **F.K. Wood-Black**

9:20: What you need to know about TSCA reform. **A.M. Noce**

9:40: California's Safer Consumer Products Program: Asking the Questions. **A. Doherty**

10:00: Intermission.

10:10: Some government relation lessons from the development of Subpart K. **R. Stuart**

10:30: Influence of litigation on corporate behavior. **N.R. Langerman**

10:50: Safety policies of peer-reviewed journals. L. Grabowski, **S.R. Goode**

11:10: Public policy statements advising policymakers and regulators. **K.P. Fivizzani**

11:30: Panel Discussion

## Wednesday, PM Session

### Biochemistry of Cannabis

*Cosponsored by CCS & SCHB*

*Organizer & Presiding:* J. Marcu

1:30: Introductory Remarks.

1:40: Pennsylvania's hemp and cannabis history. **L. Stark**

2:00: Cannabis and public health. **J.T. Bennett, M. Latshaw**

2:20: SB3: medical cannabis legislation in Pennsylvania & addressing the public health concerns. **M. Folmer**

2:40: Patient focused certification (PFC): quality standards of cannabis products for medical use. **J. Marcu**, S. Sherer, P. Kubu, K. Nevedal

3:00: Chemotypic and quality control analysis of the California medical cannabis market. **J. Wurzer**

3:20: Intermission

3:40: Biochemical considerations in cannabis therapeutics. **E. Russo**.

4:00: Cannabinoid receptors: nomenclature & pharmacological principles. **L. Console-Braun**, J. Marcu, M. Abood.

4:20: Can you pass the acid test? Critical review nad novel therapeutic perspectives of tetrahydrocannabinolic acid-A (THCA-A). **G. Moreno-Sanz**

4:40: Hydrogenated cannabis oil. **M. Scialdone**.

5:00: Cannabis Chemistry Subdivision (CANN): connecting cannabis chemists/scientists and creating opportunities. **E.M. Pryor**, M.J. Wilcox, E. Marie, H. Despres

5:20: Concluding Remarks