

Monday Presidential Sessions

Marriott Marquis Washington, DC,
Marquis Ballroom Salons 1/2

Institutional & Enterprise Level Efforts to Developing a Safety Culture

Organizer: Allison Campbell

8:30: Introductory Remarks.

8:40: The chemical Safety Board: Safety is good business and good policy. *V. Sutherland*

9:10: Safety goggles aren't just for nerds. *T. George*

9:40: Changing the federal oversight model of the Department of Energy National Laboratories. *J. McBrearty*

10:10: Are you prepared for a journey? *K. Jeskie*

10:40: Panel Discussion

Grassroots Approaches to Developing a Safety Culture

Organizer: Allison Campbell

1:00: Introductory Remarks.

1:10: Improving safety in the chemical enterprise through transparent sharing of best safety practices: The Dow Laboratory Safety Academy delivers safety information to all. *M. Jones, L. Sellor*

1:40: Back to (safety) basics at Northwestern. *M. Blayney*

2:10: Building a safety mindset: An undergraduate's perspective on chemical safety in academia. *N. Fredstrom*

2:40: Implementation of enhanced science classroom safety standards and chemical hygiene plans at the high school level. *B. Kennedy*

3:10: VPP – past successes and future challenges. *D. Kalinowski*

3:40: The Joint Safety Team: A researcher-led initiative for improving academic safety culture. *C. Gee*

4:10: Panel Discussion.

WORKSHOPS

(see <http://www.dchas.org> for registration information)

All workshops are at the Walter E. Washington Convention Center, from 8:30AM-4:00PM

Fri. Aug. 18, 2017

- **Laboratory Waste**
208A/B
- **Laboratory Safety**
209A

Sat. Aug. 19, 2017

- **Chemical Hygiene Officer**
208A/B
- **Reactives**
209A

Coffee is available at 8:00 AM, One hour (no host) lunch break.

Executive Committee Breakfast

Date: Sunday Aug. 20, 2017

Time: 8:30 to 12:00

Location: Washington Convention Center,
146C

CANN Luncheon

Date: Monday Aug. 21, 2017

Time: 11:30 to 1:00

Location: Washington Convention Center,
145A

Social Hour

Monday Evening, Aug 21, 2017

5:30 PM - 7:30 PM

District Distilling Co.



1414 U St. NW, Corner of 14th & U st.
Hosted by CHAS & SCHB

Monday, Sci-Mix

Washington Convention Center, Halls D & E

Organizer: J. Pickel

8:00 - 10:00

- Mapping laboratory risk assessment resources. *SR. Stuart*
- Division of Chemical Health and Safety Information Poster. *J.M. Pickel*
- Catching up with Runaway HotPlates. *J.M. Pickel, K.J. Bush, M. Mathews*
- Improving safe use of pressure systems in chemistry laboratories. *J.M. Pickel, K.B. Jeskie*
- Chiral/achiral analysis of naturally occurring cannabinoids using a new sub-2 μm chiral stationary phase with ultra high performance SFC-MS. *M.J. Wilcox, S. Anderson, G. Mazzocanti, F. Gasparrini, O. Ismail, A. Ciogli, C. Villani*



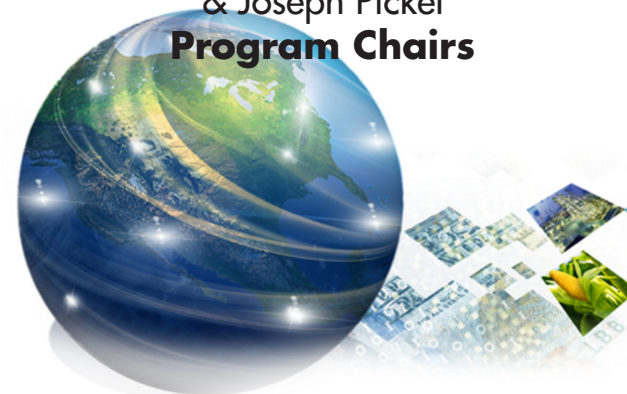
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DIVISION OF CHEMICAL HEALTH AND SAFETY

Debbie Decker,
& Joseph Pickel
Program Chairs



Please plan on attending the Division of Chemical Health and Safety's Technical Program and Workshops in Washington DC, August 2017. 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.

Sunday Sessions

Walter E. Washington Convention Center, 209C

Division of Chemical Health & Safety Awards - Oral

Cosponsored by CCS

Organizers: D. B. Walters

1:30: Opening Remarks.

1:35: Make safety habits by finding your cues, routines, and rewards for safety! *R.H. Hill*

2:00: Chemical Safety: The state of the arts. *M. Rossol*

2:25: Stanford's Laboratory Safety Culture: From Chemistry to the Campus - Part 1: Department of Chemistry Teaching Laboratories. *C.T. Cox, S. Chan, M. Dougherty*

2:35: Flipped classroom techniques in safety training.

R.M. Izzo

2:50: Stanford's laboratory safety culture - from chemistry to the campus - Part 2: Advancing institutional safety culture throughout the campus. *L.M. Gibbs, R. Furr, M. Dougherty*

3:15: Closing Remarks.

Soft Skills in Training & Interactions - Oral

Cosponsored by CCS

Organizers: R. M. Izzo

3:30: Opening Remarks.

3:35: Elements of Leveraging Soft Skills. *K. Angjelo*

3:55: Be Prepared - Things to do before EHS interactions with lab. *R.M. Izzo*

4:20: Developing and Maintaining Relationships with Research: Who, How, and Why? *B.S. Chance*

4:45: Supporting development of chemical risk assessment skills. *R. Stuart*

Monday Sessions

Cannabis Processing: Innovations & Legal Protections - Oral

Walter E. Washington Convention Center, 209C

Cosponsored by CCS

Financially supported by CANN

Organizer & Presiding: J. Marcu, E.M. Pryor

1:30: Introductory Remarks.

1:40: Purification strategies for removing undesirable natural components and contaminants from cannabis extracts. *M.J. Wilcox, J. Marcu*

2:05: Traditional cannabis processing: Protecting indigenous knowledge. *K.S. Hylton*

2:30: Cannabis data: Analysis to analytics. *S. Sguera*

2:55: Intermission.

3:10: Cannabis Grow Facilities: Identification of Hazardous Wastes found at a Cannabis Grow Facility; the problem and a proposed solution for Environmental Health Departments. *D. Keenan*

3:35: Terpenes and terpenoids of cannabis: A medical review. *M. Troiani*

4:00: Streamlining Extraction and Formulation for Customized Cannabis Concentrates. *M. Roggen*

4:25: Panel Discussion.

4:35: Concluding Remarks.

Tuesday Sessions

Walter E. Washington Convention Center, 209C

Chemophobia: Communicating Chemistry - Oral

Cosponsored by CCS

Organizer: R. Stuart, E. Sweet

8:00: Introductory Remarks.

8:05: Chemicals: The good, the bad, and the ugly.

S.B. Sigmann

8:35: The good, The bad and the uncertain: Public perception of the chemical enterprise. *M.E. Jones*

9:05: Role Communications play in Laboratory Safety.

S. Morrissey

9:35: Developing design principles for 'lesson learned' laboratory safety videos. *H. Weizman*

10:05: Intermission.

10:15: It's no accident that many journalists don't write clearly about lab safety incidents. *B. Benderly*

10:45: Hazmat event reporting in the media. *R. Stuart* **11:15:** Risk Communication for the Non-Chemist (and Chemist).

R.M. Izzo, K. Angjelo, S. Elwood

11:45: Panel Discussion.

Break

Building a Safety Culture

Across the Chemical Enterprise - Oral

Cosponsored by CCS

Organizer: J. Palmer, J. M. Pickel

1:30: Introductory Remarks.

1:35: Challenges and opportunities of building and promoting safety culture with a federal agency. *R. Meidl*

2:00: How can we build sustainable safety culture: Safety training vs Safety education? *N. Bharti*

2:25: Challenges and Rewards in Enforcing Laboratory Safety and Training - First Year on the Job. *R. Malaisamy*

2:50: Safety guidelines for the chemistry professional. *K.P. Fivizzani*

3:15: Intermission.

3:30: Partnering with faculty and staff towards improved safety culture. *S. Elwood, R.M. Izzo, K. Angjelo*

3:55: Development and implementation of a researcher oriented chemical-safety support program at a 1st tier academic research institution. *J.G. Palmer*

4:20: Establishing a sustainable safety culture in academic research labs. *K.A. Miller*

4:45: Concluding Remarks.

Wednesday Sessions

Walter E. Washington Convention Center, 209C

Building a Safety Culture

Across the Chemical Enterprise - Oral

Cosponsored by CCS & PROF

Organizers: J. Palmer, J. M. Pickel

8:30: Introductory Remarks.

8:35: Safe Operating Cards (SOCs): Open Communication Helps Best Practices from Industry Move to Academia. *A.J. Miller, I. Tonks, C.L. Pitman*

9:00: GHS Information Integration in PubChem. *J. Zhang, P. Thiessen, A. Gindulyte, E. Bolton*

9:25: Pharmaceutical Industry Best Practices in Lessons Learned: ELN implementation of Merck's Reaction Review Policy. *R.A. Sayle, J.W. May*

Emerging Trends in Research Operations - Oral

Cosponsored by CCS

Organizer: J. M. Pickel

Organizer & Presiding: C. D. Incarvito

10:00: Introductory Remarks.

10:05: Framingham State University – Science Building. *J. Blount*

10:30: Safe and appropriate application of filtered fume hoods. *K. Crooks*

10:55: iLab operating software materials management. *C. Lopes*

11:20: Monitoring VOCs Within Flammable Liquid Chemical Storage Cabinets for Laboratory Safety. *A.E. Norton, K. Brown, W.B. Connick, A. Doepke, F. Nourain*

11:45: Concluding Remarks.

Break

1:30: Introductory Remarks.

1:35: Multidisciplinary research institutes and the challenges they bring. *S. Elwood, R.M. Izzo, K. Angjelo*

2:00: Convergence of Research Operations and Safety: A mutually beneficial partnership *K. Heard*

2:25: Role of the EHS Professional in Laboratory Design. *M.B. Koza*

2:50: Taking safety management to the next level: Moving from assumptions to reality. *S. Schwartz-Hinds, N. Watson*

3:15: Intermission.

3:30: Designing and operating facilities to support the safe conduct of research activities. *J.M. Pickel, K.B. Jeskie*

3:55: Personal chemical exposure sensor with indoor positioning and robotics for laboratory safety. *K. Brown, A. Brandes, A.E. Norton, P.B. Shaw, D.T. Neu, R. Voorhees*

4:20: Hydrogen gas lab servers provide many advantages to laboratory operations. *J. Speranza*

4:45: Achieving a Balance Between Expansion and Cost Control – Yale University West Campus Research Operations.

C.D. Incarvito