

## DIVISION OF CHEMICAL HEALTH AND SAFETY

### About US

DCHAS is a technical division of the American Chemical Society. We have about 1700 members and very active in partnering with other technical divisions and committees of the ACS, as well as sister organizations outside the ACS. We are also the parent division of the ACS Cannabis Subdivision.

### Vision Statement

Improving people's lives through the power of best chemical health and safety practices.

### Mission Statement

The ACS Division of Chemical Health and Safety provides authoritative technical resources and mentorship in chemical health and safety for all.

## EXECUTIVE COMMITTEE MEETINGS

[Marriott Marquis San Diego Marina, Marina Ballroom Salon G](#)

7:00 AM – 10:00 AM

**Committee on Chemical Safety (CCS)**

**Open and Executive Subcommittee Meeting**

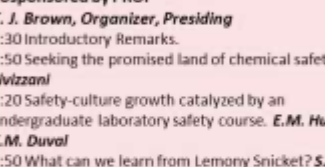
10:00 AM Break

10:30 AM – 1:30 PM

**Division of Chemical Health and Safety (CHAS) Executive Committee Meeting**

## CHEMISTRY & WATER

AMERICAN CHEMICAL SOCIETY  
FALL 2019 NATIONAL MEETING & EXPO  
AUGUST 25-29, 2019 | SAN DIEGO, CA | [WSSW.org](#)



CONNECTING CHEMISTRY AND SAFETY

## 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 San Diego CA, August 2019. 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 AFTERNOON - CHAS

**Division of Chemical Health & Safety Awards**  
[Marriott Marquis San Diego Marina, Rancho Santa Fe 3](#)

Cosponsored by PROF

**K. J. Brown, Organizer, Presiding**

1:30 Introductory Remarks.

1:50 Seeking the promised land of chemical safety. **K.P. Fivizzani**

2:20 Safety-culture growth catalyzed by an undergraduate laboratory safety course. **E.M. Huston, K.M. Duval**

2:50 What can we learn from Lemony Snicket? **S.B. Sigmann**

3:20 Intermission.

3:35 Leading from the front: Thoughts for the next generation of safety (and CHAS) leaders. **H.J. Elston**

4:05 Rasmussen's risk management framework applied to academic laboratory safety. **S.J. Sommer**

4:35 Concluding Remarks.

## WORKSHOPS

See <http://www.dchas.org> for registration information

**Fri. 8:00 AM - 5:00 PM Aug 23, 2019**

**Laboratory Safety - Beyond the Fundamentals**

San Diego Convention Center, Room 28E

**Laboratory Waste Management Workshop**

San Diego Convention Center, Room 28C

**Why It Went Wrong: Blame-Free Investigation of Lab-Scale Incidents**

San Diego Convention Center, Room 28D

**Sat. 8:00 AM - 5:00 PM Aug 24, 2019**

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

San Diego Convention Center, Room 28E

**Sun. 3:00 PM - 6:00 PM Aug 25, 2019**

**Developing Graduate Student Leadership Skills in Laboratory Safety**

Hilton SD Bayfront, Aqua 313

## MONDAY MORNING

**Academic Lab Safety**

[Marriott Marquis San Diego Marina, Carlsbad](#)

Sponsored by CHED, Cosponsored by CCS and CHAS

**S. Wiediger, Organizer, Presiding**

8:30 Introductory Remarks.

8:45 Strategic directions in chemical safety education for the ACS. **R. Stuart**

9:10 American Chemical Society safety resources. **M. Gmurczyk**

9:30 Leadership and safety education. **S. Shih**

9:50 Integrating safety science instruction. **D. C. Finster**

10:10 Intermission.

10:25 Academic lab safety at the intersection between green chemistry, ethics, and safety. **G. M. Bodner**

10:45 CPT's role in enhancing safety education for undergraduates. **R. W. Schwenz**

11:05 Continued conversation on graduate student laboratory safety education from the 2019 ACS Safety Summit. **K. Miller**

11:25 Discussion.

12:05 Concluding Remarks.

## MONDAY MORNING - CHAS

**Connecting Professionalism, Safety & Ethics: Opportunities & Challenges**

[Marriott Marquis San Diego Marina, Rancho Santa Fe 3](#)

Cosponsored by CINF

**K. M. Lopez, Organizer**, **C. I. Nitsche, R. Stuart, Presiding**

8:30 Introductory Remarks.

8:35 Safety for one, safety for all: Overcoming challenges to sharing chemical incident data. **K.M. Kulinowski**

8:55 Learnings from a community safety data sharing experiment. **C.I. Nitsche, G. Whittick, M. Manfredi**

9:15 Global Chemists' Code of Ethics: Connecting safety, security, and responsible practices in the chemical sciences. **L. Brown**

9:35 Safety: International chemical society approach. **B.S. Chance**

9:55 Intermission.

10:10 Introducing a safety guidance chapter in the fourth edition of the ACS Style Guide. **S.B. Sigmann, L.R. McEwen, S.R. Goode**

10:30 Why metrics matter. **S.I. Addestone**

10:50 Withdrawn

11:10 Panel Discussion.

## MONDAY AFTERNOON - CHAS

**Connecting Professionalism, Safety & Ethics: Opportunities & Challenges**

[Marriott Marquis San Diego Marina, Rancho Santa Fe 3](#)

Cosponsored by CINF

**K. M. Lopez, Organizer**, **C. I. Nitsche, R. Stuart, Presiding**

1:30 Introductory Remarks.

1:35 Backing into safety culture. **P.A. Reinhardt**

1:55 Professionalism, safety and ethics: Improving safety culture. **R.M. Izzo**

2:15 Engaging senior management to improve the safety culture of a chemical development organization thru the SPYDR (safety as part of your daily routine) lab visit program. **V.W. Rosso**

2:35 Understanding the dimensions of risk. **R. Stuart**

2:55 Panel Discussion.

## CHAS 40<sup>th</sup> Anniversary Symposium

Cosponsored by HIST

**R. Stuart Organizer, Presiding**

Introductory Remarks.

3:35 PubChem LCSS. **J. Zhang, P. Thiesen, A. Gindulyte, E. Bolton, L.R. McEwen, L.R. McEwen, S.R. Goode**

3:55 Evolution of "safety" within the ACS world. **R. Stuart**

4:15 40 years as an environment, health and safety professional. **M.B. Kozz**

4:35 CHAS at 40: Twenty years of editor's insight on professional safety communication. **H.J. Elston**

4:55 From YCC to SCC: Fun times in the Division of Chemical Health and Safety. **D.M. Decker**

## Be sure to join us for:

**Social Hour –**

**A networking event co-sponsored by Industry Member Programs**

**Monday Evening, August 26, 2019**

**6:30 PM - 8:00 PM**

**Hilton San Diego Bayfront**

**Indigo Ballroom AE**

[1 Park Blvd, San Diego, CA 92101 US](#)

## MONDAY AFTERNOON

**Academic Lab Safety**

[Marriott Marquis San Diego Marina, Carlsbad](#)

Sponsored by CHED, Cosponsored by CCS and CHAS

**S. Wiediger, Organizer, Presiding**

1:30 PM Introductory Remarks

1:35 PM Anaphylaxis induced by peptide coupling agents: Lessons learned from prolonged exposure to HATU, HBTU, and HCTU. **McKneely, K.**

1:55 PM Withdrawn

2:15 PM Chemical health and safety information in PubChem. **Kim, S.**

2:35 PM Is this chemical safe? What do I really need to know and how do I find out. **McEwen, L.**

2:55 PM Intermission

3:10 PM Periodic table of the elements of safety. **Izzo, R.**

3:30 PM Preparing for a safe workplace culture: Learning and modeling behavior. **Thomson, M.**

3:50 PM Withdrawn

4:10 PM Developing rubrics for assessing safety education case studies. **Wiediger, S.**

4:30 PM Concluding Remarks

## MONDAY EVENING

**Sci-Mix 8:00 PM – 10 PM**

**San Diego Convention Center, TBD**

**J. M. Pickel, Organizer**

➤ Capitalizing on teachable moments to enhance a culture of safety. **M.C. Box, M.T. Gallardo-Williams**

➤ Safe and economical handling of bulk low-density nanomaterials. **V. Gangoli, P. Raja, A.R. Barron**

➤ Division of chemical health and safety information posters. **J.M. Pickel**

## TUESDAY MORNING

**Connecting Safety, Education, Training & Productivity in Analytical Laboratories**

[Marriott Marquis San Diego Marina, Torrey Pines 2](#)

Sponsored by ANYL

Cosponsored by CCS, CHAS, CINF and PRES

**C. Incarvito, J. MacLachlan, Organizers, Presiding**

8:00 AM Introductory Remarks

## Connecting Safety, Education, Training & Productivity in Analytical Laboratories (CONT)

8:10 AM Principles to influence culture and establish practices regarding safe operation of research instrumentation and application development. **E. Robinson**

8:30 AM Computer-assisted separation modeling in analytical space translated into improved preparative chromatography productivity. **J. Ahmad**

8:50 AM Generic GC-FID method for high-throughput analysis of residual solvents in pharmaceutical substances. **T. Norwak**

9:10 AM Safe solvent management for LC/MS and GC/MS. **P. Reinhardt**

9:30 AM Panel Discussion

10:45 AM Concluding Remarks

## TUESDAY AFTERNOON

**Chemistry of Disasters**

**San Diego Convention Center, Room 5A**

Sponsored by PRES, Cosponsored by CCS, CHAS<sup>2</sup> and I&EC

**J. Pickel Organizer, Presiding**

1:00 PM Introductory Remarks

1:05 PM Post-earthquake lab spill assessment. **R. Furr**

1:35 PM Wildfire and water quality: Updates on research following the Camp Fire in Paradise, California. **J. Webster**

2:05 PM Importance of science in responding to large-scale drinking water contamination disasters: Wildfires, chemical spills, and more. **A. Whelton**

2:35 PM Wildfire disaster preparedness for Lawrence Berkeley National Laboratory. **M. Neitzel**

3:05 PM Intermission

3:20 PM Planning to protect people, the planet and processes when disasters strike in a chemical manufacturing environment. **A. Hinkle**

3:50 PM Anthropology of disaster. **R. Izzo**

4:20 PM Preventing chemical security events. **M. Mulcahy**

4:50 PM Two years after Harvey: Arkema Crosby, TX flooding. **E. Tillis**

## WEDNESDAY MORNING - CHAS

**Graduate Students Perspective on Safety Education**

[Marriott Marquis San Diego Marina, Rancho Santa Fe 3](#)

Cosponsored by CCS

**R. Stuart, Presiding**

8:30 Introductory Remarks.

## Graduate Students Perspective on Safety Education (CONT)

8:35 Safety communication is about respect as well as numbers. **R. Stuart**

9:00 How to train with nothing. **S. George, H. Davis-Russell, J. de la Rosa Ducut**

9:25 Development of a short course for collateral duty safety advisors in academic research laboratories. **M.C. Wasson, M. Blayney**

9:50 Secrets to success: Show up, do. **J.A. Martin**

10:15 Intermission.

10:30 Safety minutes: Consistent way to promote and sustain the commitment to research safety. **L. Redfern, M. Blayney**

10:55 GAs are EHS @ USD. **C.M. Karki**

11:20 Withdrawn

## WEDNESDAY AFTERNOON

**Keeping Water Safe**

[Marriott Marquis San Diego Marina, La Costa](#)

Sponsored by I&EC, Cosponsored by CHAS and PRES

**J. Pickel Organizer, Presiding**

1:00 PM Introductory Remarks.

1:10 PM Water purification using the ion-exchange reactivity of nanometric metal oxides. **A. Apblett**

1:40 PM Innovation transforming lives through the power of clean water. **D. Schmidt**

2:10 PM Water safety challenges in laboratory. **S. Howell**

2:40 PM Intermission.

3:00 PM Flint water crisis now. **M. Wilhelm**

3:30 PM After flint. **R. Izzo**

4:00 PM Drinking water quality program at Carnegie Mellon University. **S. Singh**

## CANNABIS SESSIONS

[Marriott Marquis San Diego Marina, Rancho Santa Fe 3](#)

**TUESDAY MORNING**

**Cannabis Production: Streamlining the Flow**

**TUESDAY AFTERNOON**

**Cannabis & Water: Merging the Insoluble**

**WEDNESDAY AFTERNOON**

**Cannabis & Hemp Analytical Science: The Glass is (More Than) Half-Full**