

Executive Committee Breakfast

Date: Sunday March 13

Time: 8:00 to 12:00

Location: Hilton Gaslamp, Santa Rosa
Room

TECHNICAL PROGRAM DAY 1

**Sunday, March 13th
PM Session**

Hilton Gaslamp, Marina Ballroom A/B

**Safety Begins in the Classroom: Demonstra-
tions, Awareness, & Pre-Lab Planning-Oral**

Cosponsored by CCS and CHED

Presiding: D.M. Decker, F.K. Wood-Black

1:30: Introductory Remarks.

1:35: Wild, Wild West to GHS: Reflections on my first
year as a general chemistry laboratory coordinator.
R. Sansom, M.B. Allen

2:05: Safety education for early lab students: How do
they learn it before they need it? *S.M. Kennedy*

2:35: Chemical demonstrations: The good, the bad, the
ugly. *D.A. Katz*

3:05: Development of demonstrations - a collaborative
project between the safety office and teaching assistants.
D.M. Decker, J.T. Greenfield

3:35: Concluding Remarks.

**Ask Dr. Safety: About Incident
Reporting-Invited, Oral**

Cosponsored by CCS

Organizer & Presiding: H.J. Elston, N.R. Langerman

3:50: Introductory Remarks.

3:55: Anatomy of an Incident Report. *M.E. Cournoyer*

4:15: When things go wrong ... Incident reporting.
H.J. Elston, N.R. Langerman

Committee on Chemical Safety

Date: Monday March 14th

Time: 8:00 AM

Location: Hilton Bayfront, Sapphire E/F

Social Hour

Monday Evening, March 14, 2016

5:30 PM - 7:30 PM

Café Sevilla



Sevilla

353 Fifth Ave.

Between J & K St. in the Gaslamp Quarter

Hosted by CHAS, PROF, SCHB, and BGMT

WORKSHOPS

(see <http://www.dchas.org>

for registration information)

All workshops are at the

San Diego Convention Center

Sat. March 12th (8:30 AM to 4:00 PM)

- **Cannabis Extraction & Analysis**
Room 32A
- **Meeting Chemical Safety
Expectations in Instructional
Laboratories**
Room 31A
- **How to be a More Effective
Chemical Hygiene Officer**
Room 31C

CHAS Member: \$325.00/early registration \$250

Non-CHAS Member: \$375.00/early registration

\$300

Coffee is available at 8:00 AM

One hour (no host) lunch break.



ACS

Chemistry for Life™

251th ACS National Meeting & Exposition

San Diego, CA

March 13-17, 2016

CH&S

CONNECTING CHEMISTRY
AND SAFETY

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 San Diego, March 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.

Day 2 & 3

Monday, PM Session

Hilton Gaslamp, Marina Ballroom A/B

How Texas Tech & UCLA Have Affected Laboratory Safety Nationwide

Cosponsored by CCS

Organizer & Presiding: D. Decker,

1:30: Introductory Remarks.

1:35: We better watch out: Prevention beats reparation. *K.P. Fivizzani*

2:05: Digging deep: The response to cultural issues. *K.B. Jeskie*

2:35: Changing a culture: The accident at Texas Tech, what happened in the next five years, and why you should develop a culture of safety: thoughts from the department chair at the time. *D.j. Casadonte*

3:05: Intermission.

3:25: Developing a chemical safety program from lessons learned. *J.H. Wright*

3:55: Developing standard operating procedures (SOPs) - a tale of a really fun project (really!). *D.M. Decker, C.A. Jakober*

4:25: Improving safety performance and compliance through web-based tools. *D.A. Harvey*

4:55: Concluding Remarks.

Monday, Sci-Mix

Convention Center, Halls D/E

Cosponsored by CCS

Organizer: J. Pickel

8:00 - 10:00

- Division of Chemical Health and Safety Information Poster. *J.M. Pickel*
- Safety in Pictures- What Message are you Sending? *J.M. Pickel*
- Lessons Learned in Photos. *J.M. Pickel, M.R. Wilhelm*
- Lessons Learned in Photos- What went right. *M.R. Wilhelm, J.M. Pickel*
- iRAMP: A Web-Based Model for Laboratory Chemical Risk Assessment. *R. Stuart, L. McEwen*
- Explosions and hazardous chemicals: Studying disaster preparedness with FEMA. *M.N. Heil, J. Sokatch, L. Daly*

Tuesday, AM Session

Hilton Gaslamp, Marina Ballroom A/B

Developing, Implementing & Teaching Hazard Assessment Tools

Cosponsored by CCS and CHED

Organizer: S.B. Sigmann **Presiding:** R. Stuart

8:30: Introductory Remarks.

8:35: Creating a Culture of Safety: APLU Recommendations and Tools for Universities and Colleges. *E.A. Talley*

8:55: Parsing the Chemical Risk Assessment Process for the Laboratory. *R. Stuart*

9:15: Incorporating Hazard Assessment into Laboratory Curricula: One Pathway to Growing a Sustainable Safety Culture. *L.J. Tirri*

9:35: Intermission.

9:55: Risk Analysis and Crisis Management in a research lab. *N. Bharti, S. Singh*

10:15: Software Tools to Assist and Promote Laboratory Safety. *C.A. Merlic, S.M. Hussain*

10:35: Using Case Studies and Receiving Ancillary Benefits Through Instruction and Use of What-If Hazard Reviews in an Academic Research Environment. *K.W. Kretchman*

10:55: Intermission.

11:15: System to identify, analyze and control the hazards of laboratory researcher at Argonne National Laboratory. *S. Baumann, S. Rupkey*

11:35: Hazard Review and Approval System at the National Institute of Standards and Technology. *S.G. Ringen*

11:55: Development of a database for hazard assessment and work approval in the Material Measurement Laboratory at the National Institute of Standards and Technology (NIST). *E. Mackey, C. Vogel, B. Brass*

12:15: Concluding Remarks.

Tuesday, PM Session

Developing, Implementing & Teaching Hazard Assessment Tools

Cosponsored by CCS & CHED

Presiding: S.B. Sigmann **R. Stuart**

2:00: Introductory Remarks.

2:05: Introduction to Bowtie Methodology for a Laboratory Setting. *C. Boylan, R. Stuart*

2:30: Application of Barrier-Based Approach to Enhance Incident Investigation. *M.E. Mulcahy*

Wednesday, AM Session

Chemical, Sample & Asset Management Tools

Cosponsored by CCS & CINF

Organizers & Presiding: L. McEwen, J. Pickel, R. Stuart

9:00: Introductory Remarks.

9:10: Chemical inventories: what are they good for? *R. Stuart*

9:35: How UNHCEMS® has evolved from a Chemical Inventory Tracking system to an Environmental Management Tool. *Myer, P. Collins, A. Glode, R. Stuart*

10:00: Use of RFID and scanning technologies for managing large Chemical Inventories. *J.M. Pickel*

10:25: Intermission.

10:50: Developing a cloud based chemical inventory application for the University of California System (UC Chemicals). *H. Weizman*

11:15: Using a chemical inventory system to optimize safe laboratory research. *G. Baysinger, R. Creed, L.M. Gibbs*

11:40: Chemical stockroom management: Lessons learned ten years in. *S.B. Sigmann*

Wednesday, PM Session

Chemical, Sample & Asset Management Tools

Cosponsored by CCS & CINF

Organizers & Presiding: L. McEwen, J. Pickel, R. Stuart

1:30: Introductory Remarks.

1:40: UC Safety: An Integrated Approach to Your Chemical Management Needs. *S. Hussain, K. Smith*

2:05: Targeted Safety Assessments through Technology. *J. Crandall*

2:30: Science of Safety: EHS Application Software in the Laboratory Setting. *S. Martin, J.M. Pickel, R. Stuart*

2:55: Intermission.

3:20: PubChem's Laboratory Chemical Safety Summary (LCSS). *S. Kim, J. Zhang, A. Gindulyte, P. Thiessen, L. McEwen, R. Stuart, E. Bolton, S. Bryant*

3:45: Socio-Legal Issues in the Application of Semantic Web Technology to Chemical Safety. *J.G. Frey, M.I. Borkum*

4:10: Pre-competitive collaboration to advance laboratory safety. *C.I. Nitsche*