

## CHAS Executive Committee Meeting

Please plan to attend the Division of Chemical Health and Safety's Executive Committee Meeting. The meeting is open to all members.

Sunday, August 16<sup>th</sup>  
8:30 AM - 11:30 AM (Breakfast at 8:00 AM)  
Seaport Hotel and World Trade Center  
Seaport Ballroom A

## Co-Sponsored Symposia

### Combining Scientific Evidence for Health Policy and Regulation

Sunday, August 16<sup>th</sup> – Morning  
Sponsored by AGRO  
Cosponsored by CHAS and TOXI

### 21st Century Chemistry Education: Formal and Informal

Sunday, August 16<sup>th</sup> – Afternoon  
Monday, August 17<sup>th</sup> – Morning  
Sponsored by PRES  
Cosponsored by AGRO, CARB, CHAS, CHED,  
CINF, COLL, ENFL, PROF, SOCED and WCC

### Transforming University-Industry Partnerships for an Innovative Future

- Energizing and Education
- Envisioning, Enabling and Executing

Tuesday, August 18<sup>th</sup> – All Day  
Sponsored by PRES  
Cosponsored by AGRO, BMGT, CARB, CHAS,  
COLL, ENFL, ENVR, MEDI, PROF and SCHB

## Welcome

Please plan on attending the Division of Chemical Health and Safety's Executive Committee Meeting, Technical Program, Workshops and co-sponsored Symposia at the ACS Fall 2015 National Meeting in Boston.

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.

## Where to Find Us

### CHAS Technical Programming

**T** Seaport Hotel and World Trade Center  
Rooms: Waterfront 1A/1B

### CHAS Workshops

**W** Boston Convention & Exhibition Center  
(see CHAS Workshops for room info)



## CHAS~at~a~Glance

ACS Fall 2015 National Meeting  
Boston, MA  
August 16-20, 2015



Division of Chemical Health and Safety  
<http://dchas.org/get-involved>

## VISION

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

## MISSION

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



# Technical Program

## Sunday, August 16<sup>th</sup> - Afternoon

### Lab Safety 25 Years after Promulgation of the OSHA Laboratory Standard

Cosponsored by CCS  
P. A. Reinhardt, *Organizer*  
L. DeBerardinis, *Organizer, Presiding*

- 1:30 **Introductory Remarks.**
- 1:35 **University laboratory safety in 2015: Was it the lab standard or what?** [G. Hall](#)
- 1:55 **Enhancing safety culture through collaborative development of laboratory specific chemical hygiene plan (LSCHP) and Standard Operating Procedures (SOPs).** [T. Chandra](#)
- 2:15 **What constitutes a laboratory? Princeton laboratory safety programs today and beyond.** [B.S. Chance](#)
- 2:35 **From accident analysis to accident prevention at UCLA.** [C.A. Merlic](#), [I. Schroeder](#)
- 2:55 **Intermission.**
- 3:10 **Impact of the OSHA Laboratory Standard on basic laboratory safety education for undergraduates.** [R.H. Hill](#)
- 3:30 **Where are we with lab safety education: Who, what, when, where, and how?** [K.P. Fivizzani](#)
- 3:50 **Should science departments have their own safety departments? An assessment of a centralized approach.** [K.S. Hylton](#)
- 4:10 **Concluding Remarks**

## CHAS Workshops

All CHAS Workshops will be held at Boston Convention & Exhibition Center.

**Laboratory Waste Management Workshop**  
Friday, August 14<sup>th</sup> in Room 157B

**How to be a More Effective Chemical Hygiene Officer**  
Saturday, August 15<sup>th</sup> in Room 157C

**Using Job Hazard Analysis in the Research Lab**  
Saturday, August 15<sup>th</sup> in Room 157A

## Monday, August 17<sup>th</sup> - Morning

### Lab Safety 25 Years after Promulgation of the OSHA Laboratory Standard

Cosponsored by CCS  
P. A. Reinhardt, *Organizer*  
L. DeBerardinis, *Organizer, Presiding*

- 8:30 **Introductory Remarks.**
- 8:35 **Reflections of an OSHA regulator on the Laboratory Standard.** [F. Malaby](#)
- 8:55 **Meandering towards OSHA's lab standard compliance.** [M.D. Finucane](#)
- 9:15 **"Compliance" does not mean "safe".** [M.E. Mulcahy](#)
- 9:35 **Developing a model for chemical safety literacy in the lab.** [R. Stuart](#)
- 9:55 **Intermission**
- 10:10 **Chemical hygiene plans: The vision and the reality.** [M. Weil](#), [C. Pires](#), [N. Kielbania](#)
- 10:30 **DOE Energy Innovation Hub's effort to influence laboratory safety among its funded researchers.** [S. Rupkey](#), [D. Hodge](#)
- 10:50 **Withdrawn.**
- 11:10 **Laboratory safety: Engaging 600+ research groups.** [S. Tumidajski](#)
- 11:30 **Concluding Remarks**

## Monday, August 17<sup>th</sup> - Afternoon

### Chemical Health & Safety Awards

Cosponsored by CCS  
D. B. Walters, *Organizer, Presiding*  
D. M. Decker, *Presiding*

- 1:30 **Introductory Remarks.**
- 1:35 **Musings of a founder of the Chemical Health and Safety Division.** [E.M. Pearce](#)
- 1:55 **Laboratory safety in the 21st century.** [R. Stuart](#)
- 2:25 **12,000 thoughts on laboratory safety in 20 minutes or less.** [R. Toreki](#)
- 2:55 **Intermission**
- 3:10 **SafetyStratus Collegiate Safety Award.** [M.D. Finucane](#)
- 3:40 **From the safety beat: The UCLA fatality and beyond.** [J. Kemsley](#)
- 4:10 **Science, safety, and human suffering.** [N. Sangji](#)
- 4:20 **Concluding Remarks**

## CHAS Workshop Reminders

- Check-in starts at 08:00.
- Courses begin promptly at 08:30.
- Coffee is provided. Lunch is not included.

## Tuesday, August 18<sup>th</sup> - Morning

### Current Topics in Chemical Safety Information Use Cases for Chemical Safety Information

Cosponsored by AGFD, CCS, CHED and CINF<sup>‡</sup>  
L. McEwen, R. Stuart, *Organizers, Presiding*

- 9:00 **Introductory Remarks.**
- 9:05 **Organizing chemical information to support lab safety.** [R. Stuart](#), [L. McEwen](#)
- 9:25 **Keeping your kids away from poisonous chemicals: Chemical safety in the household.** [N. Qin](#)
- 9:45 **Updating NFPA 45: Fire protection for laboratories using chemicals.** [L. Montville](#)
- 10:05 **Blueprint for successful chemical management at Yale's West Campus.** [C.D. Incarvito](#), [K.M. Heard](#)
- 10:25 **Intermission**
- 10:40 **Chemistry lab safety information resources for academic user.** [G. Baysinger](#)
- 11:00 **Teaching future chemists how to create meaningful risk assessment tools.** [S.B. Sigmann](#)
- 11:20 **Panel Discussions**

## Tuesday, August 18<sup>th</sup> - Afternoon

### Current Topics in Chemical Safety Information

Cosponsored by CCS, CHED and CINF<sup>‡</sup>  
L. McEwen, R. Stuart, *Organizers, Presiding*

- 1:30 **Designing a hazard and risk assessment protocol for undergraduate instruction and use.** [D.C. Finster](#)
- 1:50 **Experience with data handling in large chemical databases.** [N.R. Langerman](#)
- 2:10 **Ensuring that lessons learned are not forgotten: Leveraging ELN to transform the safety paradigm.** [M. Manfredi](#), [R. Durvasula](#), [W. Bullock](#), [B. Cavallaro](#), [C. Mcnab](#), [M. Nolte](#), [D. Vanderwall](#)
- 2:30 **Encoding reactive chemical hazards and incompatibilities in an alerting system.** [J.W. May](#), [R.A. Sayle](#)
- 2:50 **Panel Discussion.**
- 3:05 **Intermission**
- 3:20 **Biological and ecological toxicity of engineered nanomaterials.** [I.L. Gunsolus](#), [T. Qiu](#), [V. Feng](#), [C.L. Haynes](#)
- 3:40 **eNanoMapper: A database and ontology framework for nanomaterials design and safety assessment.** [B. Hardy](#), [E.L. Willighagen](#), [J. Hastings](#), [M. Hegi](#), [N. Jeliazkova](#), [H. Sarimveis](#)
- 4:00 **Data, data everywhere, nor any bit processable: Opportunities for amalgamating and opening up chemical data and information relevant to hazard recognition and safety planning.** [J. Zhang](#), [P. Thiessen](#), [G. Fu](#), [E. Bolton](#), [L. McEwen](#)
- 4:20 **It's all in how you do it: Annotating process conditions in laboratory chemical hazard recognition and risk management.** [L. McEwen](#), [Y. Li](#)
- 4:40 **Panel Discussions**