

## Symposium on Chemical Safety and Security: Bridging Research and Practice

Chemical safety is dedicated to safeguarding individuals from unintentional exposure, whereas chemical security focuses on preventing the theft or malicious use of chemicals, equipment, or related information. Together, they comprise a unified framework known as Chemical Risk Management (CRM), a holistic strategy for identifying, prioritizing, and mitigating the hazards linked with chemical handling and processes. Mastery in Chemical Safety and Security (CSS) and CRM is vital for professionals at all levels, fostering a culture that prioritizes safety, security, and responsible scientific practices. Despite significant strides made by various organizations in promoting CSS outreach programs, ongoing efforts are necessary to embed these practices into standard operations and extend awareness across diverse industries and communities. This symposium warmly invites researchers, trainers, and practitioners from around the globe to engage in discussions, share experiences, and showcase effective strategies for CSS integration and advancement.

### KEY Topics

- Recent advancements in chemical safety protocols.
- Risk assessment and strategic management techniques.
- Compliance with regulatory standards and legal requirements.
- Innovative systems for chemical inventory and tracking.
- Case studies highlighting best practices and lessons in chemical security.
- Emerging cybersecurity measures, including AI-driven safety applications.

### WHO should attend?

This symposium is designed for researchers, educators, safety officers, students, industry leaders and all professionals devoted to enhancing chemical safety and security practices.

We invite you to join this essential dialogue and contribute to a collective effort to reinforce a sustainable and secure approach to chemical management across all sectors.

#### Chair



**Assoc Prof Dr Lee Hooi Ling**  
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#### Co-Chair



**Dr Christine M. Straut Langlins**  
Sandia National  
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### Keynote Lecture



**Dr Christine M. Straut Langlins**  
Sandia National  
Laboratories,  
United States

### Invited Lectures



**Dr Jakub Michal Milczarek**  
OPCW Laboratory,  
Netherlands



**Mr Muhammad Anas Danial Ismail**  
Henkel Adhesive  
Technologies,  
Malaysia



**Dr Maurice Payne**  
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